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Chloroform fumigation and the release of soil nitrogen: A rapid direct extraction method to measure microbial biomass nitrogen in soil

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| 2269 | Microbial biomass in organic soils: Estimation of biomass C, and effect of glucose or cellulose amendments on the amounts of N and P released by fumigation. <i>Soil Biology and Biochemistry</i> , <b>1986</b> , 18, 507-513             | 7·5 | 55        |
| 2268 | BIOLOGICAL PROPERTIES OF SOME PRINCE EDWARD ISLAND SOILS: RELATIONSHIP BETWEEN MICROBIAL BIOMASS NITROGEN AND MINERALIZABLE NITROGEN. <b>1987</b> , 67, 333-340   |     | 38        |
| 2267 | Soil microbial biomass estimated by the fumigation-incubation procedure: Seasonal fluctuations and influence of soil moisture content. <i>Soil Biology and Biochemistry</i> , <b>1987</b> , 19, 397-404                                   | 7.5 | 84        |
| 2266 | Significance of sample size in measurement of soil microbial biomass by the chloroform fumigation-incubation method. <i>Soil Biology and Biochemistry</i> , <b>1987</b> , 19, 149-152   | 7.5 | 12        |
| 2265 | Measurement of soil microbial biomass provides an early indication of changes in total soil organic matter due to straw incorporation. <i>Soil Biology and Biochemistry</i> , <b>1987</b> , 19, 159-164                                   | 7.5 | 818       |
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| 2262 | Growth measurements of terrestrial microbial species by a continuous-flow technique. <b>1987</b> , 101, 189-  | 195 | 6         |
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| 2257 | Response of soil microbial biomass to straw incorporation. <b>1988</b> , 39, 237-242  |     | 35        |
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| 2255 | A direct extraction method to estimate soil microbial c: effects of experimental variables and some different calibration procedures. <i>Soil Biology and Biochemistry</i> , <b>1988</b> , 20, 329-335                                    | 7.5 | 255       |
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| 2242<br>2241<br>2240<br>2239         | Determination of biomass N in some agricultural soils of Punjab, Pakistan. 1989, 113, 223-228  Comparison of soil chemical properties, enzyme activities, levels of biomass N and aggregate stability in the soil profile under conventional and no-tillage in Canterbury, New Zealand. 1989, 14, 197-208  Organic matter turnover in a sagebrush steppe landscape. 1989, 7, 11  Preparation of nitrogen and phosphorus-enriched paddy straw compost and its effect on yield and nutrient uptake by wheat (Triticum aestivum L.). 1989, 8, 339  | 13<br>24<br>67<br>28   |
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| 2229 | Estimation of soil microbial C by A fumigation-extraction procedure: Influence of soil moisture content. <i>Soil Biology and Biochemistry</i> , <b>1989</b> , 21, 767-772   | 7.5 | 45  |
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| 2218 | An evaluation of methods for measuring the microbial biomass in soils following recent additions of wheat straw and the characterization of the biomass that develops. <i>Soil Biology and Biochemistry</i> , <b>1990</b> , 22, 685-694 | 7.5 | 216 |
| 2217 | Extractability of microbial 14C and 15N following addition of variable rates of labelled glucose and (NH4)2SO4 to soil. <i>Soil Biology and Biochemistry</i> , <b>1990</b> , 22, 707-713  | 7.5 | 127 |

#### (1991-1990)

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| 2201         | Soil microbial biomass carbon and nitrogen estimates using 2450 MHz microwave irradiation or chloroform fumigation followed by direct extraction. <b>1991</b> , 34, 55-63   |             | 11   |
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#### (2000-1999)

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# (2000-2000)

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# (2001-2001)

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| 1525 | Soil Processes Affected by Sixteen Grassland Species Grown under Different Environmental Conditions. <b>2006</b> , 70, 770-777                                  | 55  |
| 1524 | EFECTO DE LA CERO LABRANZA SOBRE ALGUNAS ACTIVIDADES BIOLŒICAS EN UN ALFISOL DEL SUR DE CHILE. <b>2006</b> , 6, 38  | 1   |
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| 1521 | Anlise multivariada de atributos do solo em sistemas convencional e orglico de produ <b>l</b> de mal. <b>2006</b> , 41, 1531-1539                               | 16  |
| 1520 | Fertilization and Mowing Effects on Unimproved Mixed-Species Hayfields in Quebec, Canada. <b>2006</b> , 46, 1955-1962   | 1   |
| 1519 | Soil Nitrogen Cycling following Montane Forest Conversion in Central Sulawesi, Indonesia. <b>2006</b> , 70, 359-366   | 43  |
| 1518 | Soil Nutrient Dynamics after Harvesting and Slash Treatments in Boreal Aspen Stands. <b>2006</b> , 70, 1189-1199  | 43  |
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| 1515 | PermanentâBoil monitoring sites for documentation of soil-fertility development after changing from conventional to organic farming. <b>2006</b> , 169, 564-572 | 11  |

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| 1503 | Bioremediation of Pb-contaminated soil by incubating with Phanerochaete chrysosporium and straw. <b>2006</b> , 134, 268-76   | 78  |
| 1502 | Effect of different fertilization treatments on ecological characteristics of microorganism in paddy soil. <b>2006</b> , 7, 376-380  | 2   |
| 1501 | Slow recovery of soil biodiversity in sandy loam soils of Georgia after 25 years of no-tillage management. <b>2006</b> , 114, 323-334  | 64  |
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| 1499 | Effect of Zero Tillage and Residues Conservation on Continuous Maize Cropping in a Subtropical Environment (Mexico). <b>2006</b> , 279, 95-105   | 28  |
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## (2006-2006)

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## (2007-2006)

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## (2007-2007)

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## (2008-2008)

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| 1217         | Changes in nutrient availability from calcareous to acid wetland habitats with closely related brown moss species: increase instead of decrease in N and P. <b>2009</b> , 324, 267-278                        | 26  |
| 1216         | Impact of legume versus cereal root residues on biological properties of West African soils. <b>2009</b> , 325, 145-156   | 3   |
| 1215         | Assessment of biological and biochemical indicators in soil under transgenic Bt and non-Bt cotton crop in a sub-tropical environment. <b>2009</b> , 156, 595-604  | 35  |
| 1214         | The fate of 15N-labeled nitrogen inputs to pot cultured beech seedlings. <b>2009</b> , 20, 314-322  | 0   |
| 1213         | Immobilization and mineralization of nitrogen in a saline and alkaline soil during microbial use of sugarcane filter cake amended with glucose. <b>2009</b> , 45, 289-296                                     | 17  |
| 1212         | The relationship between N mineralization or microbial biomass N with micromorphological properties in beech forest soils with different texture and pH. <b>2009</b> , 45, 449                                | 31  |
| 1211         | Land use effects on microbial biomass C, 畇lucosidase and 畇lucosaminidase activities, and availability, storage, and age of organic C in soil. <b>2009</b> , 45, 487-497                                       | 38  |
| <b>121</b> 0 | Plant communities, soil carbon, and soil nitrogen properties in a successional gradient of sub-alpine meadows on the eastern Tibetan plateau of China. <b>2009</b> , 44, 755-65                               | 23  |
| 1209         | Organic carbon additions: effects on soil bio-physical and physico-chemical properties. <b>2009</b> , 60, 276-286   | 83  |

## (2009-2009)

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| 1206 | Plantâthicrobial competition for nitrogen uncoupled from soil C:N ratios. <b>2009</b> , 118, 1908-1916   | 22  |
| 1205 | Understorey plant and soil responses to disturbance and increased nitrogen in boreal forests. <b>2009</b> , 20, 311-322  | 22  |
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| 1202 | Sensitivity of Soil Restoration Indicators during Ptamo Succession in the High Tropical Andes: Chronosequence and Permanent Plot Approaches. <b>2009</b> , 17, 619-627   | 22  |
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| 1200 | Sequestration of soil nitrogen as tannin-protein complexes may improve the competitive ability of sheep laurel (Kalmia angustifolia) relative to black spruce (Picea mariana). <b>2009</b> , 181, 187-198        | 51  |
| 1199 | Impact of reduced tillage on carbon and nitrogen storage of two Haplic Luvisols after 40 years. <b>2009</b> , 102, 158-164   | 98  |
| 1198 | Stratification ratio of soil organic matter pools as an indicator of carbon sequestration in a tillage chronosequence on a Brazilian Oxisol. <b>2009</b> , 103, 46-56  | 141 |
| 1197 | Spatial patterns of soil biological and physical properties in a ridge tilled and a ploughed Luvisol. <b>2009</b> , 105, 88-95   | 27  |
| 1196 | Microbial and nutrient stabilization of two animal manures after the transit through the gut of the earthworm Eisenia fetida (Savigny, 1826). <b>2009</b> , 161, 1234-8  | 53  |
| 1195 | A combination method to study microbial communities and activities in zinc contaminated soil. <b>2009</b> , 169, 875-81  | 40  |
| 1194 | Soil microbial growth and biofilm expansion assessment under wastewater infiltration percolation treatment process: column experiments. <b>2009</b> , 246, 514-525   | 12  |
| 1193 | Comparisons of ecosystem services among three conversion systems in Yancheng National Nature<br>Reserve. <b>2009</b> , 35, 609-629   | 29  |
| 1192 | Changes in microbial biomass and P fractions in biogenic household waste compost amended with inorganic P fertilizers. <b>2009</b> , 100, 303-9  | 117 |
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| 1190 | Organic amendments improve soil conditions and denitrification in a restored riparian wetland. <b>2009</b> , 29, 343-352   | 52 |
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| 1189 | Chronosequence analysis of two enclosure management strategies in degraded rangeland of semi-arid Kenya. <b>2009</b> , 129, 332-339  | 53 |
| 1188 | Influence of climatypes of Scots pine on certain chemical and microbiological characteristics of soils. <b>2009</b> , 2, 147-151   |    |
| 1187 | Soil microbial parameters and stability of soil aggregate fractions under different grassland communities on the Loess Plateau, China. <b>2009</b> , 64, 424-427   | 17 |
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| 1182 | Influence of different land uses on soil nitrogen transformations after conversion from an Indian dry tropical forest. <b>2009</b> , 77, 216-223   | 32 |
| 1181 | Short-term wildfire effects on the spatial pattern and scale of labile organic-N and inorganic-N and P pools. <b>2009</b> , 257, 739-746   | 38 |
| 1180 | Soil N cycling in old-growth forests across an Andosol toposequence in Ecuador. <b>2009</b> , 257, 2079-2087   | 35 |
| 1179 | Comparing indicators of N status of 50 beech stands (Fagus sylvatica L.) in northeastern France. <b>2009</b> , 257, 2241-2253  | 22 |
| 1178 | Nitrogen dynamics across silvicultural canopy gaps in young forests of western Oregon. <b>2009</b> , 258, 273-287  | 24 |
| 1177 | Spatial pattern and scale of soil N and P fractions under the influence of a leguminous shrub in a Pinus canariensis forest. <b>2009</b> , 151, 303-310  | 24 |
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| 1175 | Impact of biotic and abiotic interaction on soil microbial communities and functions: A field study. <b>2009</b> , 41, 239-248   | 85 |
| 1174 | Evaluation of soil microbial indices along a revegetation chronosequence in grassland soils on the Loess Plateau, Northwest China. <b>2009</b> , 41, 286-292   | 91 |
| 1173 | Dynamics of the soil nematode food web and nutrient pools under tall fescue lawns established on soil matrices resulting from common urban development activities. <b>2009</b> , 42, 107-117                   | 17 |

### (2009-2009)

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| 1171 | Short-term consequences of spatial heterogeneity in soil nitrogen concentrations caused by urine patches of different sizes. <b>2009</b> , 42, 271-278  | 25  |
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| 1169 | Short-term and long-term effects of human trampling on above-ground vegetation, soil density, soil organic matter and soil microbial processes in suburban beech forests. <b>2009</b> , 42, 303-314 | 70  |
| 1168 | Glycine uptake in heath plants and soil microbes responds to elevated temperature, CO2 and drought. <b>2009</b> , 35, 786-796   | 30  |
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| 1163 | Short-term Nitrogen Availability from Lupine Seed Meal as an Organic Fertilizer is Affected by Seed Quality at Low Temperatures. <b>2009</b> , 26, 337-352  | 4   |
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| 1161 | Nitrogen turnover of legume seed meals as affected by seed meal texture and quality at different temperatures. <b>2009</b> , 55, 671-682  | 5   |
| 1160 | Aftereffect of nitrogen fixed by different genotypes of macrosymbiont. <b>2009</b> , 2, 140-146   | 1   |
| 1159 | Soil changes following long-term cultivation of pulses. <b>2009</b> , 147, 699-706  | 28  |
| 1158 | Microbial activity in contrasting conditions of soil C and N availability in a tropical dry forest. <b>2009</b> , 25, 401-413   | 7   |
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| 1154 | Nitrogen dynamics in a small arctic watershed: retention and downhill movement of 15N. 2010, 80, 331-351   | 33  |
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| 1148 | Soil Microbial Communities and Function in Alternative Systems to Continuous Cotton. <b>2010</b> , 74, 1181-1192   | 87  |
| 1147 | A Rapid Assay to Estimate Soil Microbial Biomass Potassium in Agricultural Soils. <b>2010</b> , 74, 512-516  | 19  |
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| 1144 | Effect of the temperature and moisture on the N2O emission from some arable soils. <b>2010</b> , 43, 919-928   | 22  |
| 1143 | Variation in total biological productivity and soil microbial biomass in rainfed agroecosystems: Impact of application of herbicide and soil amendments. <b>2010</b> , 137, 241-250                        | 24  |
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| 1138 | Development of ergosterol, microbial biomass C, N, and P after steaming as a result of sucrose addition, and Sinapis alba cultivation. <b>2010</b> , 46, 323-331   | 8   |
| 1137 | Cross-Ecosystem Comparisons of In Situ Plant Uptake of Amino Acid-N and NH4 +. <b>2010</b> , 13, 177-193   | 49  |

| 1136 | Wildfire Effects on Soil Gross Nitrogen Transformation Rates in Coniferous Forests of Central Idaho, USA. <b>2010</b> , 13, 1112-1126                                   | 30  |
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| 1135 | Improvement of biochemical and biological properties of eroded red soil by artificial revegetation. <b>2010</b> , 10, 255-262   | 20  |
| 1134 | Soil soluble organic carbon and nitrogen pools under mono- and mixed species forest ecosystems in subtropical China. <b>2010</b> , 10, 1071-1081                        | 24  |
| 1133 | Slope length effects on microbial biomass and activity of eroded sediments. <b>2010</b> , 10, 434-439   | 12  |
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| 1130 | Microbial C, N and P in soils of Mediterranean oak forests: influence of season, canopy cover and soil depth. <b>2010</b> , 101, 77-92                                  | 106 |
| 1129 | Deepened snow increases late thaw biogeochemical pulses in mesic low arctic tundra. <b>2010</b> , 101, 105-121  | 76  |
| 1128 | Responses of soil nitrogen cycling to the interactive effects of elevated CO2 and inorganic N supply. <b>2010</b> , 327, 35-47  | 20  |
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| 1124 | Soil nitrogen cycling rates in low arctic shrub tundra are enhanced by litter feedbacks. <b>2010</b> , 330, 407-421   | 99  |
| 1123 | Improving fertility and productivity of a highly-weathered upland soil in subtropical China by incorporating rice straw. <b>2010</b> , 331, 427-437                     | 79  |
| 1122 | Biological soil crusts modulate nitrogen availability in semi-arid ecosystems: insights from a Mediterranean grassland. <b>2010</b> , 333, 21-34                        | 115 |
| 1121 | Soil microbial and plant community responses to single large carbon and nitrogen additions in low arctic tundra. <b>2010</b> , 334, 409-421                             | 25  |
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| 1119 | Effects of Zn and P addition on the microbial biomass in a Zn deficient calcareous soil amended with glucose. <b>2010</b> , 335, 493-499                                | 6   |

| 1118 | Soil C and N dynamics within a precipitation gradient in Mediterranean eucalypt plantations. <b>2010</b> , 336, 157-171   |                   | 8   |
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| 1115 | Microbial activities and trace element contents in an urban soil. <b>2010</b> , 165, 193-203  |                   | 78  |
| 1114 | The use of organic substrates with contrasting C/N ratio in the regulation of nitrogen use efficiency and losses in a potato agroecosystem. <b>2010</b> , 88, 411-427   |                   | 15  |
| 1113 | Effects of summer catch crop, residue management, soil temperature and water on the succeeding cucumber rhizosphere nitrogen mineralization in intensive production systems. <b>2010</b> , 88, 429-446                                    |                   | 34  |
| 1112 | Effect of redox conditions on bacterial and fungal biomass and carbon dioxide production in Louisiana coastal swamp forest sediment. <b>2010</b> , 408, 3623-31   |                   | 21  |
| 1111 | Three decades of soil microbial biomass studies in Brazilian ecosystems: Lessons learned about soil quality and indications for improving sustainability. <i>Soil Biology and Biochemistry</i> , <b>2010</b> , 42, 1-13                   | 7.5               | 232 |
| 1110 | The response of organic matter mineralisation to nutrient and substrate additions in sub-arctic soils. <i>Soil Biology and Biochemistry</i> , <b>2010</b> , 42, 92-100  | 7·5               | 93  |
| 1109 | Decomposition of 15N-labelled maize leaves in soil affected by endogeic geophagous Aporrectodea caliginosa. <i>Soil Biology and Biochemistry</i> , <b>2010</b> , 42, 276-282  | 7.5               | 20  |
| 1108 | Temporal variation in pools of amino acids, inorganic and microbial N in a temperate grassland soil. <i>Soil Biology and Biochemistry</i> , <b>2010</b> , 42, 353-359   | 7.5               | 37  |
| 1107 | Twenty years of intensive fertilization and competing vegetation suppression in loblolly pine plantations: Impacts on soil C, N, and microbial biomass. <i>Soil Biology and Biochemistry</i> , <b>2010</b> , 42, 713-72                   | <sub>23</sub> 7.5 | 34  |
| 1106 | Fate of 13C- and 15N-labelled rhizodeposition of Lolium perenne as function of the distance to the root surface. <i>Soil Biology and Biochemistry</i> , <b>2010</b> , 42, 910-918   | 7·5               | 28  |
| 1105 | Nitrogen alters carbon dynamics during early succession in boreal forest. <i>Soil Biology and Biochemistry</i> , <b>2010</b> , 42, 1157-1164  | 7.5               | 69  |
| 1104 | Effect of the nitrification inhibitor dicyandiamide (DCD) on microbial communities in a pasture soil amended with bovine urine. <i>Soil Biology and Biochemistry</i> , <b>2010</b> , 42, 1425-1436  | 7·5               | 112 |
| 1103 | Long-term organic phosphorus mineralization in Spodosols under forests and its relation to carbon and nitrogen mineralization. <i>Soil Biology and Biochemistry</i> , <b>2010</b> , 42, 1479-1490   | 7.5               | 63  |
| 1102 | Microbial performance under increasing nitrogen availability in a Mediterranean forest soil. <i>Soil Biology and Biochemistry</i> , <b>2010</b> , 42, 1596-1606   | 7·5               | 24  |
| 1101 | Resistance of microbial and soil properties to warming treatment seven years after boreal fire. <i>Soil Biology and Biochemistry</i> , <b>2010</b> , 42, 1872-1878  | 7.5               | 63  |

| 1100 | Impact of black carbon addition to soil on the determination of soil microbial biomass by fumigation extraction. Soil Biology and Biochemistry, <b>2010</b> , 42, 2026-2029 $7.5$  | 66  |
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| 1098 | Microbial biomass and activity at various soil depths in a Brazilian oxisol after two decades of no-tillage and conventional tillage. <i>Soil Biology and Biochemistry</i> , <b>2010</b> , 42, 2174-2181 $7.5$                     | 83  |
| 1097 | Effect of bioaugmentation by Paracoccus sp. strain HPD-2 on the soil microbial community and removal of polycyclic aromatic hydrocarbons from an aged contaminated soil. <b>2010</b> , 101, 3437-43                                | 151 |
| 1096 | Changes in soil carbon and nitrogen pools after shifting from conventional cereal to greenhouse vegetable production. <b>2010</b> , 107, 80-87   | 58  |
| 1095 | Tillage effects on soil microbial biomass in a rainfed agricultural system of northeast India. <b>2010,</b> 109, 68-74   | 10  |
| 1094 | A suite of sensitive chemical methods to determine the \$\mathbb{1}5N\$ of ammonium, nitrate and total dissolved N in soil extracts. <b>2010</b> , 24, 3615-23   | 46  |
| 1093 | Contrasting effects of elevated CO2 and warming on nitrogen cycling in a semiarid grassland. <b>2010</b> , 187, 426-437  | 126 |
| 1092 | Dynamics of microbial biomass nitrogen in relation to plant nitrogen uptake during the crop growth period in a dry tropical cropland in Tanzania. <b>2010</b> , 56, 105-114  | 36  |
| 1091 | Microbial biomass and nitrogen transformations in surface soils strongly acidified by volcanic hydrogen sulfide deposition in Osorezan, Japan. <b>2010</b> , 56, 123-132   | 7   |
| 1090 | Spatial variability of soil microbial biomass carbon, nitrogen and phosphorus in a hilly red soil landscape in subtropical China. <b>2010</b> , 56, 693-704  | 18  |
| 1089 | Litter quality effects of beech and hornbeam on undergrowth species diversity in Luxembourg forests on limestone and decalcified marl. <b>2010</b> , 21, 248-261   | 16  |
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| 1087 | Carbon-nitrogen interactions in fertility island soil from a tropical semi-arid ecosystem. <b>2010</b> , 24, 233-242   | 35  |
| 1086 | Linkages of plant traits to soil properties and the functioning of temperate grassland. <b>2010</b> , 98, 1074-1083  | 243 |
| 1085 | Measuring soil microbial parameters relevant for soil carbon fluxes. 169-186   | 0   |
| 1084 | Nitrogen Transformations and Microbial Communities in Soil Aggregates from Three Tillage Systems. <b>2010</b> , 74, 120-129  | 42  |
| 1083 | Denitrification Enzyme Activity as an Indicator of Nitrate Movement through a Diversion Wetland. <b>2010</b> , 74, 1037-1047   | 59  |

| 1082 | The effect of point application of fertilizerson the soil environment of spread line windrows in the Krušné hory Mts. <b>2010</b> , 56, 195-208                                  | 6   |
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| 1081 | Tree Encroachment Impacts Carbon Dynamics in a Sand Prairie in Wisconsin. <b>2010</b> , 74, 956-968  | 12  |
| 1080 | Enzymatic activity and mineralization of carbon and nitrogen in soil cultivated with coffee and green manures. <b>2010</b> , 34, 1573-1583                                       | 23  |
| 1079 | Assessment of Microbial Biomass Carbon and Nitrogen in Some Tea Soils of Bangladesh. <b>2010</b> , 25, 21-25   |     |
| 1078 | Soil microbial biomass carbon and nitrogen in forest ecosystems of Northeast China: a comparison between natural secondary forest and larch plantation. <b>2010</b> , 3, 175-182 | 112 |
| 1077 | Microbial Community Composition as Affected by Dryland Cropping Systems and Tillage in a Semiarid Sandy Soil. <b>2010</b> , 2, 910-931   | 56  |
| 1076 | Effect of Fertilization Systems on Soil Microbial Biomass and Mineral Nitrogen during Canola (Brassica napus L.) Development Stages. <b>2010</b> , 41, 1665-1673                 | 10  |
| 1075 | Plant-available organic and mineral nitrogen shift in dominance with forest stand age. <b>2010</b> , 91, 708-20  | 36  |
| 1074 | Microbial Properties of a Loess Soil as Affected by Various Nutrient Management Practices in the Loess Plateau of China. <b>2010</b> , 41, 956-967                               | 7   |
| 1073 | Organic-Matter Pools of Soil under Pines and Annual Cultures. <b>2010</b> , 41, 1707-1722  | 25  |
| 1072 | Microbial Biomass in Relation to Soil Properties under Integrated Farming Systems of Meghalaya, India. <b>2010</b> , 41, 332-345   | 1   |
| 1071 | Effects of Field Simulation of Precipitation Changes on Soil Nitrogen Availability under a Mongolian Pine Plantation at Horqin Sandy Lands in Northeast China. <b>2010</b> ,     | 1   |
| 1070 | Impact of elevated N input on soil N cycling and losses in old-growth lowland and montane forests in Panama. <b>2010</b> , 91, 1715-29   | 126 |
| 1069 | Grain Yield, Yield Components, Soil Fertility, and Biological Activity under Organic and Conventional Rice Production Systems. <b>2010</b> , 41, 2279-2292                       | 10  |
| 1068 | Experimental drought in a tropical rain forest increases soil carbon dioxide losses to the atmosphere. <b>2010</b> , 91, 2313-23   | 126 |
| 1067 | Comparisons of Yield, Water Use Efficiency, and Soil Microbial Biomass as Affected by the System of Rice Intensification. <b>2010</b> , 41, 1-12                                 | 45  |
| 1066 | Niche complementarity due to plasticity in resource use: plant partitioning of chemical N forms. <b>2010</b> , 91, 3252-60   | 237 |
| 1065 | Organic Matter and Micro-Organisms in Tropical Soils. <b>2010</b> , 17-44  | 26  |

# (2010-2010)

| 1064 | Key nitrogen cycling processes in pine plantations along a short urbanâDural gradient in Nanchang, China. <b>2010</b> , 259, 477-486  | 29  |
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| 1063 | The effect of Lantana camara Linn. invasion on soil chemical and microbiological properties and plant biomass accumulation in southern China. <b>2010</b> , 154, 370-378            | 43  |
| 1062 | Long-term effect of chemical fertilizer, straw, and manure on soil chemical and biological properties in northwest China. <b>2010</b> , 158, 173-180                                | 405 |
| 1061 | The microbial biomass and activity in soil with shrub (Caragana korshinskii K.) plantation in the semi-arid loess plateau in China. <b>2010</b> , 46, 6-10                          | 28  |
| 1060 | Spatial structure of microbial biomass and activity in prairie soil ecosystems. <b>2010</b> , 46, 181-189   | 29  |
| 1059 | Microbial biomass under various soil- and crop-management systems in short- and long-term experiments in Brazil. <b>2010</b> , 119, 20-26   | 49  |
| 1058 | Soil microbial response, water and nitrogen use by tomato under different irrigation regimes. <b>2010</b> , 98, 414-418   | 25  |
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## (2011-2011)

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## (2013-2012)

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## (2021-2013)

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| 757             | Soil function can sensitively respond to different canopy composition of Crataegus and Berberis. <b>2021</b> , 167, 104112  | O  |
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| 747             | Productivity and quality of banana in response to chemical fertilizer reduction with bio-organic fertilizer: Insight into soil properties and microbial ecology. <b>2021</b> , 322, 107659              | 4  |
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## (2020-2020)

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| 505 | Changes in microbial metabolic C- and N- limitations in the rhizosphere and bulk soils along afforestation chronosequence in desertified ecosystems. <b>2021</b> , 303, 114215  | 2 |
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| 489 | Transformation of fertilizer nitrogen in fluvo-aquic soils with different textures and its influencing factors. <b>2022</b> , 471, 541  | O |

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| 487 | Comprehensive impacts of diversified cropping on soil health and sustainability. 1-33   | 1 |
| 486 | Investigation of the effects of the conversion of forests and rangeland to cropland on fertility and soil functions in mountainous semi-arid landscape. <b>2022</b> , 210, 105951                         | O |
| 485 | Evaluation of immobilizing agents as soil quality conditioners in addition to their metal(loid) immobilizing effect. <b>2022</b> , 32, 307-316  | O |
| 484 | Planted forests intensified soil microbial metabolic nitrogen and phosphorus limitation on the Loess Plateau, China. <b>2022</b> , 211, 105982  | O |
| 483 | Coupling and decoupling of soil carbon, nitrogen and phosphorus stocks following grazing exclusion in temperate grasslands. <b>2022</b> , 211, 106003   | 2 |
| 482 | Mitigation of soil organic carbon mineralization by soil redistribution - An erosion-deposition plot study under natural rainfall over five years. <b>2022</b> , 327, 107827                              |   |
| 481 | Elevated atmospheric CO alters the microbial community composition and metabolic potential to mineralize organic phosphorus in the rhizosphere of wheat <b>2022</b> , 10, 12                              | 1 |
| 480 | How Does Land Consolidation Affect Soil Fungal Community Structure? Take Heavy Metal Contaminated Areas in Eastern China for Example. <b>2022</b> , 11, 142   | 0 |
| 479 | Stoichiometric homeostasis in response to variable water and nutrient supply in a Robinia pseudoacacia plant-soil system.   |   |
| 478 | Soybean expansion impacts on soil organic matter in the eastern region of the Maranhö State (Northeastern Brazil).  | O |
| 477 | Bentonite-humic acid improves soil organic carbon, microbial biomass, enzyme activities and grain quality in a sandy soil cropped to maize (Zea mays L.) in a semi-arid region. <b>2022</b> , 21, 208-221 | 2 |
| 476 | Developing biochar and organic nutrient packages/technology as soil policy for enhancing yield and nutrient uptake in maize-black gram cropping system to maintain soil health. 1                         | O |
| 475 | Planting Systems Affect Soil Microbial Communities and Enzymes Activities Differentially under Drought and Phosphorus Addition <b>2022</b> , 11,  | O |
| 474 | Effect Mechanism of Land Consolidation on Soil Bacterial Community: A Case Study in Eastern China <b>2022</b> , 19,   | 0 |
| 473 | Effects of Different Soils on the Biomass and Photosynthesis of Rumex nepalensis in Subalpine Region of Southwestern China. <b>2022</b> , 13, 73  | O |
| 472 | Response of Crop Types and Farming Practices on Soil Microbial Biomass and Community Structure in Tropical Agroecosystem by Lipid Biomarkers. 1   | 1 |
| 471 | Biochar combined with nitrogen fertilizer: a practical approach for increasing the biomass digestibility and yield of rice and promoting food and energy security.  | 1 |

| 470 | Contrasting drivers of belowground nitrogen cycling in a montane grassland exposed to a multifactorial global change experiment with elevated CO, warming and drought <b>2021</b> ,                                   |     | 2 |
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| 469 | Recalcitrance of lichen and moss litters increases soil carbon storage on permafrost. <b>2022</b> , 472, 595  |     | O |
| 468 | The Effect of the Conversion from Natural Broadleaved Forests into Chinese fir (Cunninghamia lanceolata (Lamb.) Hook.) Plantations on Soil Microbial Communities and Nitrogen Functional Genes. <b>2022</b> , 13, 158 |     | 2 |
| 467 | Durum wheat salt stress tolerance is modulated by the interaction between plant genotypes, soil microbial biomass, and enzyme activity.   |     | O |
| 466 | Responses of N-Cycling Enzyme Activities and Functional Diversity of Soil Microorganisms to Soil Depth, Pedogenic Processes and Cultivated Plants. <b>2022</b> , 12, 264  |     | 1 |
| 465 | Assessing soil organic carbon, N and P stocks and its relation to soil properties in artificial canopy gaps in a managed oriental beech (Fagus orientalis L.) forest.   |     | 1 |
| 464 | Deforestation-free land-use change and organic matter-centered management improve the C footprint of oil palm expansion <b>2022</b> ,   |     | 0 |
| 463 | Effects of artificial nitrogen deposition on the forest floor and soil chemistry under chestnut-leaved oak (Quercus castaneifolia C. A. Mey) plantation in the north of Iran.   |     |   |
| 462 | Response of carbon, nitrogen and phosphorus concentration and stoichiometry of plants and soils during a soybean growth season to O stress and straw return in Northeast China <b>2022</b> , 822, 153573              |     | 0 |
| 461 | Soil phosphorus status and P nutrition strategies of European beech forests on carbonate compared to silicate parent material <b>2022</b> , 158, 39-72  |     | 1 |
| 460 | Bacterial Inoculant and Sucrose Amendments Improve the Growth of L. by Reprograming Its Metabolite Composition and Altering Its Soil Microbial Community <b>2022</b> , 23,  |     | 0 |
| 459 | Variations in the community patterns of soil nematodes at different soil depths across successional stages of subalpine forests. <b>2022</b> , 136, 108624  |     | O |
| 458 | Carbon availability mediates the effect of nitrogen on CO2 release from soils. 2022, 6, 100041  |     | 0 |
| 457 | Improved tomato yield and quality by altering soil physicochemical properties and nitrification processes in the combined use of organic-inorganic fertilizers. <b>2022</b> , 109, 103384                             |     | 1 |
| 456 | Crop rotational complexity affects plant-soil nitrogen cycling during water deficit. <i>Soil Biology and Biochemistry</i> , <b>2022</b> , 166, 108552   | 7.5 | 0 |
| 455 | Soil pore architecture and rhizosphere legacy define N2O production in root detritusphere. <i>Soil Biology and Biochemistry</i> , <b>2022</b> , 166, 108565   | 7.5 | O |
| 454 | Biochar amendment benefits 15N fertilizer retention and rhizosphere N enrichment in a maize-soil system. <b>2022</b> , 412, 115713  |     | О |
| 453 | Microbial regulation of nitrous oxide emissions from chloropicrin-fumigated soil amended with biochar <b>2022</b> , 429, 128060   |     | O |

| 452 | Linkages of nitrogen-cycling microbial resistance and resilience to soil nutrient stoichiometry under dry-rewetting cycles with different fertilizations and temperatures in a vegetable field <b>2022</b> , 820, 153294 | O |
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| 451 | Soil Total Nitrogen and Dissolved Organic Carbon Contents Drive Changes in the Soil Microbial Community of Sophora Moorcroftiana Shrubs in the Middle Reaches of the Yarlung Zangbo River, Southern Tibetan Plateau.     |   |
| 450 | Effects of Nitrogen Addition on Microbial Carbon Use Efficiency of Soil Aggregates in Abandoned Grassland on the Loess Plateau of China. <b>2022</b> , 13, 276   | 1 |
| 449 | Effects of sand burial caused by ant nests on soil microbial biomass, basal respiration, and enzyme activity in/under biocrusts in vegetation areas of the Tennger Desert.   | О |
| 448 | Vermistabilization of fecal sludge with organic enriched substrates for compost production using two earthworm species (Eisenia foetida and Eudrilus eugeniae).  | О |
| 447 | Changes in soil bacterial communities and nitrogen mineralization with understory vegetation in boreal larch forests. <i>Soil Biology and Biochemistry</i> , <b>2022</b> , 166, 108572                                   | O |
| 446 | Biochar Enriched with Buffalo Slurry Improved Soil Nitrogen and Carbon Dynamics, Nutrient Uptake and Growth Attributes of Wheat by Reducing Leaching Losses of Nutrients. <b>2021</b> , 10, 1392                         | 3 |
| 445 | Changes in Litter Input Exert Divergent Effects on the Soil Microbial Community and Function in Stands of Different Densities.   |   |
| 444 | Cover Crop and Chemical Fertilizer Seasonally Mediate Microbial Carbon and Phosphorus Metabolisms in an Apple Orchard: Evidence from the Enzymatic Stoichiometry Method.   |   |
| 443 | Effects of Warming on the Stoichiometry of Soil Microbial Biomass and Extracellular Enzymes in an Alpine Shrubland.  |   |
| 442 | Functional Variability in Specific Root Respiration Translates to Autotrophic Differences in Soil Respiration in a Temperate Deciduous Forest.   |   |
| 441 | Regulation of Soil Inorganic N Through Gross N Transformation Under Shifting Cultivation in Northern Thailand.   |   |
| 440 | Effects of Pyrogenic Carbon Addition after Wildfire on Soil Carbon Mineralization in Peatland.   |   |
| 439 | How Land-Use Change Affects Soil Respiration in an Alpine Agro-Pastoral Ecotone.   |   |
| 438 | Soil fertility influences leave quality of Morus alba L. in Mizoram, Northeast India. 1  |   |
| 437 | Fungal Endophytes Have More Host-Dependent Effects on the Soil Microenvironment than on the Initial Litter Quality <b>2022</b> , 8,  |   |
| 436 | Utilization of Glycine by Microorganisms along the Altitude Changbai Mountain, China: An Uptake Test Using 13C,15N Labeling and 13C-PLFA Analysis. <b>2022</b> , 13, 307   | О |
| 435 | Kinetics of Chromium Reduction Associated with Varying Characteristics of Agricultural Soils. <b>2022</b> , 14, 570  | Ο |
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| 434 | Effect of contrasting phosphorus levels on nitrous oxide and carbon dioxide emissions from temperate grassland soils <b>2022</b> , 12, 2602  | 3 |
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| 433 | Changes in microbial biomass and activity support ecological intensification of marginal land through cultivation of perennial wheat in organic agriculture. 1-14                    | O |
| 432 | Response of Functional Diversity of Soil Microbial Community to Forest Cutting and Regeneration Methodology in a Chinese Fir Plantation. <b>2022</b> , 13, 360                       | 2 |
| 431 | Harnessing Agricultural Potential of Degraded Alkaline Soils through Combined Use of Municipal Solid Waste Compost and Inorganic Amendments. <b>2022</b> , 53, 1026-1038             |   |
| 430 | Shifts in microbial stoichiometry upon nutrient addition do not capture growth-limiting nutrients for soil microorganisms in two subtropical soils. 1                                | 0 |
| 429 | Effects of Nitrogen and Phosphorus Addition on Soil Extracellular Enzyme Activity and Stoichiometry in Chinese Fir () Forests <b>2022</b> , 13, 834184                               | 1 |
| 428 | Changes in rhizosphere soil nitrogen fractions associated with enzyme activities are linked to the microbial community following intercropping combined with nitrogen fertilization. | 0 |
| 427 | Delayed autumnal leaf senescence following nutrient fertilization results in altered nitrogen resorption <b>2022</b> ,   | 1 |
| 426 | C:P stoichiometric imbalance between soil and microorganisms drives microbial phosphorus turnover in the rhizosphere. <b>2022</b> , 58, 421-433                                      | 0 |
| 425 | The impact of landslides on chemical and microbial properties of soil in a temperate secondary forest ecosystem. 1   | O |
| 424 | Soil respiration response to nitrogen fertilization experiment in tropical grassland.  |   |
| 423 | Nitrogen acquisition by two U. humidicola genotypes differing in biological nitrification inhibition (BNI) capacity and associated microorganisms. <b>2022</b> , 58, 355-364         | O |
| 422 | Effects of residue types and plastic mulch on earthworm aporrectodea trapezoides (Duges, 1828) within mesocosms at a salt-affected soil. 1-16  |   |
| 421 | The soil nematode community indicates the soil ecological restoration of the Pinus massoniana plantation gap replanted with Cinnamomum longipaniculatum. <b>2022</b> , 136, 108678   | O |
| 420 | Application of Crop Residues in Combination with a Mineral Nitrogen Fertilizer to Albic Retisols and Their Effect on the Nitrous Oxide Production. <b>2022</b> , 77, 46-52           |   |
| 419 | Estimation of turnover time of microbial biomass potassium in paddy field soil. 1-9  | O |
| 418 | Linking Soil Microbial Diversity to Modern Agriculture Practices: A Review 2022, 19,   | 1 |
| 417 | Variation of soil physical-chemical characteristics in salt-affected soil in the Qarhan Salt Lake,<br>Qaidam Basin. <b>2022</b> , 14, 341-355  | Ο |

| 416 | Land-Use Change Enhanced SOC Mineralization but Did Not Significantly Affect Its Storage in the Surface Layer <b>2022</b> , 19,   |     | O |
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| 415 | Multiple resource limitation of dryland soil microbial carbon cycling on the Colorado Plateau <b>2022</b> , e3  | 671 | O |
| 414 | Natural Vegetation Encroachment Improves Nutritional Conditions of Bauxite Residue Disposal Area <b>2022</b> , 1  |     | О |
| 413 | Biochar Amendment and Nitrogen Fertilizer Contribute to the Changes in Soil Properties and Microbial Communities in a Paddy Field <b>2022</b> , 13, 834751  |     | 3 |
| 412 | Effect of Organic Manure and Moisture Regimes on Soil Physiochemical Properties, Microbial Biomass C:N:P Turnover and Yield of Mustard Grains in Arid Climate <b>2022</b> , 11,                       |     | O |
| 411 | Seasonal Dynamics of Organic Carbon and Nitrogen in Biomasses of Microorganisms in Arable Mollisols Affected by Different Tillage Systems. <b>2022</b> , 11, 486                                      |     |   |
| 410 | Soil organic matter and geochemical characteristics shape microbial community composition and structure across different land uses in an Australian wet tropical catchment. <b>2022</b> , 33, 817-831 |     | 1 |
| 409 | Conservation practices induce tradeoffs in soil function: Observations from the northern Great Plains.  |     | O |
| 408 | Experimental Warming Has Not Affected the Changes in Soil Organic Carbon During the Growing Season in an Alpine Meadow Ecosystem on the Qinghai-Tibet Plateau <b>2022</b> , 13, 847680                |     | O |
| 407 | Reduced Soil Gross N 2 O Emission Driven by Substrates Rather Than Denitrification Gene Abundance in Cropland Agroforestry and Monoculture. <b>2022</b> , 127,  |     | O |
| 406 | Energy flux across multitrophic levels drives ecosystem multifunctionality: Evidence from nematode food webs. <i>Soil Biology and Biochemistry</i> , <b>2022</b> , 108656                             | 7.5 | 2 |
| 405 | The adjustment of life history strategies drives the ecological adaptations of soil microbiota to aridity <b>2022</b> ,   |     | O |
| 404 | Effects of Moisture and Temperature on Soil Organic Carbon Decomposition along a Vegetation Restoration Gradient of Subtropical China. <b>2022</b> , 13, 578  |     | 0 |
| 403 | Linking transcriptional dynamics of CH-cycling grassland soil microbiomes to seasonal gas fluxes <b>2022</b> ,  |     | 1 |
| 402 | Relationships between soil and microbial biomass properties and annual flux of nutrients in Central Himalayan forests, India.   |     | 3 |
| 401 | Initial soil formation by biocrusts: Nitrogen demand and clay protection control microbial necromass accrual and recycling. <i>Soil Biology and Biochemistry</i> , <b>2022</b> , 167, 108607          | 7.5 | 2 |
| 400 | Field co-inoculation of Bradyrhizobium sp. and Pseudomonas increases nutrients uptake of Vigna radiata L. from fertilized soil. 1-18  |     |   |
| 399 | Long-term manipulation of mean climatic conditions alters drought effects on C- and N-cycling in an arable soil <b>2022</b> ,   |     | O |

| 398 | Microbial community from species rich meadow supports plant specialists during meadow restoration.  | 1 |
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| 397 | Abandoned agriculture soil can be recultivated by promoting biological phosphorus fertility when amended with nano-rock phosphate and suitable bacterial inoculant <b>2022</b> , 234, 113385      | 1 |
| 396 | Fate of Urea and Ammonium Sulfate in the Plant and Soil System as Affected by Poly-Eglutamic Acid. 1  | 1 |
| 395 | The mechanism of the dose effect of straw on soil respiration: Evidence from enzymatic stoichiometry and functional genes. <i>Soil Biology and Biochemistry</i> , <b>2022</b> , 168, 108636       | O |
| 394 | Changes in soil organic carbon stocks from reducing irrigation can be offset by applying organic fertilizer in the North China Plain. <b>2022</b> , 266, 107539                                   | 1 |
| 393 | Can the reductive dissolution of ferric iron in paddy soils compensate phosphorus limitation of rice plants and microorganisms?. <i>Soil Biology and Biochemistry</i> , <b>2022</b> , 168, 108653 | 1 |
| 392 | Organic substitutions improve soil quality and maize yield through increasing soil microbial diversity. <b>2022</b> , 347, 131323   | 2 |
| 391 | Vinasse improves soil quality and increases the yields of soybean, maize, and pasture. <b>2022</b> , 26, 335-340  | O |
| 390 | The overall and phased nitrogen leaching from a field bioretention during rainfall runoff events. <b>2022</b> , 179, 106624   | 0 |
| 389 | The use of manure shifts the response of diversity and network while not diversity of soil microbes to altered irrigation regimes. <b>2022</b> , 174, 104423                                      | 1 |
| 388 | Soil enzyme activity and stoichiometry in secondary grasslands along a climatic gradient of subtropical China <b>2022</b> , 825, 154019   | 0 |
| 387 | Short-term effects of conservation agriculture strategies on the soil quality of a Haplic Plinthosol in Eastern Cape, South Africa. <b>2022</b> , 220, 105378                                     | O |
| 386 | Enzymatic activity and functional diversity of soil microorganisms along the soil profile âDA matter of soil depth and soil-forming processes. <b>2022</b> , 416, 115779                          | 1 |
| 385 | Changes in total organic carbon and organic carbon fractions of reclaimed minesoils in response to the filling of different substrates <b>2022</b> , 312, 114928                                  | O |
| 384 | Free particulate organic carbon plays critical roles in carbon accumulations during grassland succession since grazing exclusion. <b>2022</b> , 220, 105380                                       | 0 |
| 383 | Positive effects of organic fertilizers and biofertilizers on soil microbial community composition and walnut yield. <b>2022</b> , 175, 104457  | 1 |
| 382 | Animal manures promoted soil phosphorus transformation via affecting soil microbial community in paddy soil <b>2022</b> , 154917  | 1 |
| 381 | Microbial metabolic limitation response to experimental warming along an altitudinal gradient in alpine grasslands, eastern Tibetan Plateau. <b>2022</b> , 214, 106243                            | O |

| 380 | Vegetation degradation threatens soil health in a mountainous semi-arid region <b>2022</b> , 830, 154827  |     | 0 |
|-----|---|-----|---|
| 379 | Improvements in soil health and soil carbon sequestration by an agroforestry for food production system. <b>2022</b> , 333, 107945  |     | 2 |
| 378 | A Simple Method to Determine Soil Microbial Biomass Carbon by Facilitating Gaseous Diffusion of Chloroform into Pores. <b>2021</b> , 54, 660-666  |     |   |
| 377 | Combined Fertilization Could Increase Crop Productivity and Reduce Greenhouse Gas Intensity through Carbon Sequestration under Rice-Wheat Rotation. <b>2021</b> , 11, 2540  |     | O |
| 376 | Medium-term Impact of Organic and Microbial Fertilization on Production Efficiency and Fertility of Soil in an Apple Production System under North West Himalayan Region. <b>2022</b> , 53, 346-363                         |     |   |
| 375 | Long-term effects of tillage and nitrogen fertilization on soil C and N fractions in a cornâBoybean rotation. 1-16  |     | 1 |
| 374 | Extreme drought triggers transition to an alternative soil microbial state.   |     |   |
| 373 | Competition of Plants and Microorganisms for Added Nitrogen in Different Fertilizer Forms in a Semi-Arid Climate. <b>2021</b> , 11, 2472  |     |   |
| 372 | Response of soil biological properties and bacterial diversity to different levels of nitrogen application in sugarcane fields <b>2021</b> , 11, 172  |     | 2 |
| 371 | Soil quality assessment under different long-term rice-based cropping systems in a tropical dry savanna ecology of northern Nigeria. <b>2021</b> ,  |     | O |
| 370 | Interactions between species changes the uptake of ammonium and nitrate in Abies faxoniana and Picea asperata <b>2021</b> ,   |     | 1 |
| 369 | Bioaugmentation of Enterobacter cloacae AKS7 causes an enhanced degradation of low-density polyethylene (LDPE) in soil: a promising approach for the sustainable management of LDPE waste <b>2021</b> , 204, 74             |     |   |
| 368 | Degradation of synthetic polymers: Microbial approach. <b>2022</b> , 9, 9-13  |     |   |
| 367 | Soil Metagenome Revealed Contrasting Anammox Bacterial Diversity in Coastal Mangrove and Rice Ecology. 1-10   |     | O |
| 366 | Macroaggregates Serve as Micro-Hotspots Enriched With Functional and Networked Microbial Communities and Enhanced Under Organic/Inorganic Fertilization in a Paddy Topsoil From Southeastern China <b>2022</b> , 13, 831746 |     | 0 |
| 365 | Legume Cover Crop Contributions to Ecological Nutrient Management in Upper Midwest Vegetable Systems. <b>2022</b> , 6,  |     | O |
| 364 | Crude glycerol, a biodiesel byproduct, used as a soil amendment to temporarily immobilize and then release nitrogen.  |     |   |
| 363 | Growth of soil microbes is not limited by the availability of nitrogen and phosphorus in a Mediterranean oak-savanna. <i>Soil Biology and Biochemistry</i> , <b>2022</b> , 108680   | 7.5 | O |

| 362 | Untangling the effect of soil quality on rice productivity under a 16-years long-term fertilizer experiment using conditional random forest. <b>2022</b> , 197, 106965 | 1 |
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| 361 | Chronic dry nitrogen inputs alter soil microbial community composition in Southern California semi-arid shrublands. <b>2022</b> , 176, 104496                          | O |
| 360 | Wetland conversion to cropland alters the microbes along soil profiles and over seasons. 2022, 214, 106282   | Ο |
| 359 | How land-use change affects soil respiration in an alpine agro-pastoral ecotone. <b>2022</b> , 214, 106291   | 2 |
| 358 | Data_Sheet_1.zip. <b>2019</b> ,  |   |
| 357 | Data_Sheet_2.pdf. <b>2019</b> ,  |   |
| 356 | Data_Sheet_1.pdf. <b>2020</b> ,  |   |
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| 337 | DataSheet_1.doc. <b>2020</b> ,  |   |
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| 335 | Nitrogen immobilization and mineralization during initial decomposition of 15 N-labelled pea and barley residues. <b>1996</b> , 24, 39-44   |   |
| 334 | Remarkable effects of microbial factors on soil phosphorus bioavailability: a country-scale study <b>2022</b> ,   | 1 |
| 333 | Effect of Ginkgo Biloba Leaves on the Removal Efficiency of Cr(Vi) in Soil and its Underlying Mechanism.  |   |
| 332 | Biogeochemical and ecosystem properties in three adjacent semiarid grasslands are resistant to nitrogen deposition but sensitive to edaphic variability.                                  | 0 |
| 331 | Gross N Mineralization Associated with Organic Matter Application to Inceptisols and Andisols of Hokkaido, Japan, and to Ultisols of Lop Buri, Thailand. <b>2022</b> , 56, 129-135        | 1 |
| 330 | Similar distribution of 15N labeled cattle slurry and mineral fertilizer in soil after one year. 1  | О |
| 329 | Combining Rice Straw Biochar With Leguminous Cover Crop as Green Manure and Mineral Fertilizer Enhances Soil Microbial Biomass and Rice Yield in South China <b>2022</b> , 13, 778738     | O |
| 328 | Effect of 46 yearsâlapplication of fertilizers, FYM and lime on physical, chemical and biological properties of soil under maize-wheat system in an acid Alfisol of North-west Himalayas. | 1 |
| 327 | Does pH matter for ecosystem multifunctionality? An empirical test in a semi-arid grassland on the Loess Plateau.   | O |

| 326 | Pyrogenic organic matter as a nitrogen source to microbes and plants following fire in an Arctic heath tundra. <i>Soil Biology and Biochemistry</i> , <b>2022</b> , 108699             | 7.5 | 0 |
|-----|--|-----|---|
| 325 | Effects of different forms of nitrogen addition on microbial extracellular enzyme activity in temperate grassland soil. <b>2022</b> , 11,  |     | O |
| 324 | Consistent response of nematode communities to management of coniferous plantations. <b>2022</b> , 10004.  | 5   | 0 |
| 323 | Seasonal dynamics of ammonia-oxidizing bacteria but not archaea influence soil nitrogen cycling in a semi-arid agricultural soil <b>2022</b> , 12, 7299                                |     |   |
| 322 | The role of decaying logs in nursing soil fungal diversity varies with decay classes in the forest ecosystem. <b>2022</b> , 73,  |     | 0 |
| 321 | Altered microbial resource limitation regulates soil organic carbon sequestration based on ecoenzyme stoichiometry under long-term tillage systems.                                    |     | O |
| 320 | Increasing contribution of microbial residues to soil organic carbon in grassland restoration chronosequence. <i>Soil Biology and Biochemistry</i> , <b>2022</b> , 170, 108688         | 7.5 | 1 |
| 319 | Adaptation of soil micro-food web to elemental limitation: evidence from the forest-steppe ecotone. <i>Soil Biology and Biochemistry</i> , <b>2022</b> , 170, 108698                   | 7.5 | O |
| 318 | Leguminous Caragana korshinskii evidently enhances microbial necromass carbon accumulation in dryland soils. <b>2022</b> , 215, 106342   |     |   |
| 317 | Contrasting patterns of microbial nutrient limitations between rhizosphere and bulk soil during stump sprout restoration in a clear-cut oak forest. <b>2022</b> , 515, 120241          |     | O |
| 316 | Heterotrophic respiration and its proportion to total soil respiration decrease with warming but increase with clipping. <b>2022</b> , 215, 106321                                     |     | 0 |
| 315 | Earthworms promote the transfer of N-urea to lettuce while limit appreciably increase N losing to environment <b>2022</b> , 212, 113423  |     | О |
| 314 | Plantâfhicrobial linkages regulate soil organic carbon dynamics under phosphorus application in a typical temperate grassland in northern China. <b>2022</b> , 335, 108006             |     | 0 |
| 313 | Effect of fire on physicochemical and biological properties of soil under different plantations of rock phosphate mined area in Doon valley, India. <b>2011</b> , 34, 403-408          |     |   |
| 312 | Soil health within transitions from irrigation to limited irrigation and dryland management. 2022, 7,  |     | 0 |
| 311 | Facile coating of micronutrient zinc for slow release urea and its agronomic effects on field grown wheat (Triticum aestivum L.) <b>2022</b> , 155965                                  |     | 1 |
| 310 | Insights into the associations between soil quality and ecosystem multifunctionality driven by fertilization management: A case study from the North China Plain. <b>2022</b> , 132265 |     | 1 |
| 309 | Different variations in soil CO, CH, and NO fluxes and their responses to edaphic factors along a boreal secondary forest successional trajectory <b>2022</b> , 155983                 |     | O |

| 308 | Responses and comprehensive evaluation of growth characteristics of ephemeral plants in the desertâbasis ecotone to soil types. <b>2022</b> , 316, 115288   |     | 0 |
|-----|---|-----|---|
| 307 | Ammoniated straw incorporation increases wheat yield, yield stability, soil organic carbon and soil total nitrogen content. <b>2022</b> , 284, 108558   |     | Ο |
| 306 | Nitrogen uptake by plants may alleviate N deposition-induced increase in soil N2O emissions in subtropical Chinese fir (Cunninghamia lanceolata) plantations.                                       |     | Ο |
| 305 | Variations in Plant Water Use Efficiency Response to Manipulated Precipitation in a Temperate Grassland. <b>2022</b> , 13,  |     | Ο |
| 304 | Potential Nitrogen Mineralization and Its Availability in Response to Long-Term Fertilization in a Chinese Fluvo-Aquic Soil. <b>2022</b> , 12, 1260   |     |   |
| 303 | Belowground responses to altered precipitation regimes in two semi-arid grasslands. <i>Soil Biology and Biochemistry</i> , <b>2022</b> , 108725   | 7.5 | 2 |
| 302 | Effect of different decay classes of Eucalyptus stump substrates on microbial resource limitation and carbon-use efficiency.  |     | Ο |
| 301 | Patterns of enzyme activities and nutrient availability within biocrusts under increasing aridity in Negev desert. <b>2022</b> , 13,  |     | Ο |
| 300 | Dynamic characteristics of soil aggregate stability and related carbon and nitrogen pools at different developmental stages of plantations in northern China. <b>2022</b> , 316, 115283             |     | 1 |
| 299 | Temperature sensitivity of soil enzyme kinetics under N and P fertilization in an alpine grassland, China. <b>2022</b> , 838, 156042  |     | 1 |
| 298 | Responses of the rhizosphere microbiome to long-term nitrogen addition in a boreal forest.  |     | Ο |
| 297 | Consistent Plant and Microbe Nutrient Limitation Patterns During Natural Vegetation Restoration. <b>2022</b> , 13,  |     | Ο |
| 296 | Fifteen years of conservation tillage increases soil aggregate stability by altering the contents and chemical composition of organic carbon fractions in Mollisols.                                |     | 0 |
| 295 | Impact of Long Term Nutrient Management on Soil Quality Indices in Rice-Wheat System of Lower Indo-Gangetic Plain. <b>2022</b> , 14, 6533   |     |   |
| 294 | Microbial functional diversity in rhizosphere and non-rhizosphere soil of different dominant species in a vegetation concrete slope. <b>2022</b> , 36, 379-388                                      |     | 2 |
| 293 | Levels and variations of soil bioavailable nitrogen among forests under high atmospheric nitrogen deposition. <b>2022</b> , 156405  |     |   |
| 292 | Chili residue and Bacillus laterosporus synergy impacts soil bacterial microbiome and agronomic performance of leaf mustard (Brassica juncea L.) in a solar greenhouse.                             |     | 0 |
| 291 | Partial Substation of Organic Fertilizer With Chemical Fertilizer Improves Soil Biochemical Attributes, Rice Yields, and Restores Bacterial Community Diversity in a Paddy Field. <b>2022</b> , 13, |     | Ο |

| <b>2</b> 90 | The negative effect of Chinese fir (Cunninghamia lanceolata) monoculture plantations on soil physicochemical properties, microbial biomass, fungal communities, and enzymatic activities. <b>2022</b> , 519, 120297 |     | О |
|-------------|---|-----|---|
| 289         | Soil microbial biomass C:N:P stoichiometry is driven more by climate, soil properties and plant traits than by N enrichment in a desert steppe. <b>2022</b> , 216, 106402   |     | O |
| 288         | Relationships of priming effects with organic amendment composition and soil microbial properties. <b>2022</b> , 422, 115951  |     | 1 |
| 287         | Deadwood mass and microclimate affect labile soil carbon and nitrogen under thinning of a naturally regenerated oak forest. <b>2022</b> ,   |     |   |
| 286         | Nitrogen Addition Affects Ecosystem Carbon Exchange by Regulating Plant Community Assembly and Altering Soil Properties in an Alpine Meadow on the Qinghaia Tibetan Plateau. 13,                                    |     | О |
| 285         | Crop Rotational Diversity Influences WheatâMaize Production Through Soil Legacy Effects in the North China Plain.   |     |   |
| 284         | Biotic Interactions as Mediators of Context-Dependent Biodiversity-Ecosystem Functioning Relationships. 8,  |     | О |
| 283         | Methane emission, methanogenic and methanotrophic communities during rice-growing seasons differ in diversified rice rotation systems. <b>2022</b> , 156781   |     |   |
| 282         | Contribution of the Root Component to Soil Respiration in Oriental Beech Stands in Artvin, Turkey.  |     | О |
| 281         | Changes in growth pattern and rhizospheric soil biochemical properties of a leguminous tree species Leucaena leucocephala under long-term exposure to elevated ozone. <b>2022</b> , 12,                             |     |   |
| 280         | Can larch-Aralia elata agroforestry systems improve the soil chemical and microbial properties of larch plantations?.   |     | 0 |
| 279         | Integrated nutrient management reduced the nutrient losses and increased crop yield in irrigated wheat. 1-12  |     | 1 |
| 278         | Linkages between the temperature sensitivity of soil respiration and microbial life strategy are dependent on sampling season. <i>Soil Biology and Biochemistry</i> , <b>2022</b> , 172, 108758                     | 7·5 | О |
| 277         | Effects of common European tree species on soil microbial resource limitation, microbial communities and soil carbon. <i>Soil Biology and Biochemistry</i> , <b>2022</b> , 172, 108754                              | 7.5 | O |
| 276         | Functional Variability in Specific Root Respiration Translates to Autotrophic Differences in Soil Respiration in a Temperate Decicuous Forest.  |     |   |
| 275         | Cambisol Mycobiome in a Long-Term Field Experiment with Korean Pine as a Sole Edificator: A Case Study. <b>2022</b> , 2, 470-480  |     |   |
| 274         | Interaction of soil microbial communities and phosphorus fractions under long-term fertilization in paddy soil. <b>2022</b> , 21, 2134-2144   |     | О |
| 273         | Combined Application of Manure and Chemical Fertilizers Alters Soil Environmental Variables and Improves Soil Fungal Community Composition and Rice Grain Yield. 13,  |     | О |

| 272 | Changes in litter input exert divergent effects on the soil microbial community and function in stands of different densities. <b>2022</b> , 157297   | 1 |
|-----|---|---|
| 271 | Differential Response of Microbial C, N, and P and Their Stoichiometry at Different Soil Depths to Precipitation in Arid Desert Soils.  |   |
| 270 | Recently absorbed nitrogen incorporates into new and old tissues: evidence from a 15 N-labelling experiment in deciduous oaks.  |   |
| 269 | Responses of phosphorus flux in the sedimentâlvater interface to C:N:P stoichiometry of different sediment components following temperature warming in steppe wetland, China.   | O |
| 268 | Reuniting the Three Sisters: collaborative science with Native growers to improve soil and community health.  |   |
| 267 | Testing microbial models with data from a 14C glucose tracer experiment. <i>Soil Biology and Biochemistry</i> , <b>2022</b> , 108781  | O |
| 266 | Dataset on the interaction effects of tillage, crop rotations and residue management on overall soil quality. <b>2022</b> , 43, 108456  |   |
| 265 | Response of soil microbial biomass C, N, and P and microbial quotient to agriculture and agricultural abandonment in a meadow steppe of northeast China. <b>2022</b> , 223, 105475  | O |
| 264 | Increasing nitrogen availability does not decrease the priming effect on soil organic matter under pulse glucose and single nitrogen addition in woodland topsoil. <i>Soil Biology and Biochemistry</i> , <b>2022</b> , 7.5 172, 108767 | О |
| 263 | Effects of nanopolystyrene addition on nitrogen fertilizer fate, gaseous loss of N from the soil, and soil microbial community composition. <b>2022</b> , 438, 129509   | O |
| 262 | Cover cropping and chemical fertilizer seasonally mediate microbial carbon and phosphorus metabolisms in an apple orchard: Evidence from the enzymatic stoichiometry method. <b>2022</b> , 178, 104579                                  |   |
| 261 | Adaptive multi-paddock grazing increases soil nutrient availability and bacteria to fungi ratio in grassland soils. <b>2022</b> , 179, 104590   |   |
| 260 | Influence of soil properties on microbial C, N, and P in dry tropical ecosystems. <b>1992</b> , 13, 176-180   | 4 |
| 259 | Impact of different forest plantations and cropping systems on reclamation of Sodic soils. <b>2010</b> , 33, 135-142  | 1 |
| 258 | Seasonal soil-plant nitrogen dynamics of a cordgrass salt marsh in response to coastal embankments in Eastern China. 9,   |   |
| 257 | The Microbiomes in Lichen and Moss Biocrust Contribute Differently to Carbon and Nitrogen Cycles in Arid Ecosystems.  | O |
| 256 | Mineralisation and nitrification of biuret and urea nitrogen in two New Zealand forest soils. 2022,   |   |
| 255 | Effect of prescribed burning on the small-scale spatial heterogeneity of soil microbial biomass in Pinus koraiensis and Quercus mongolica forests of China.   |   |

| 254 | Topography-driven soil properties modulate effects of nitrogen deposition on soil nitrous oxide sources in a subtropical forest. <b>2022</b> , 58, 707-720   | О |
|-----|--|---|
| 253 | Decoupling of soil organic carbon and nutrient mineralization across plant communities as affected by microbial stoichiometry. <b>2022</b> , 58, 693-706   |   |
| 252 | Influence of planting methods and organic amendments on rice yield and bacterial communities in the rhizosphere soil. 13,  |   |
| 251 | Fungal Communities Are More Sensitive to the Simulated Environmental Changes than Bacterial Communities in a Subtropical Forest: the Single and Interactive Effects of Nitrogen Addition and Precipitation Seasonality Change. | O |
| 250 | Tree and shrub richness modify subtropical tree productivity by modulating the diversity and community composition of soil bacteria and archaea.   |   |
| 249 | Microbial responses to soil cooling might explain increases in microbial biomass in winter.  |   |
| 248 | Assessing Soil Quality Index Under Different Sugarcane Monoculture Periods and Soil Orders. 1-18   |   |
| 247 | Soil warming during winter period enhanced soil N and P availability and leaching in alpine grasslands: A transplant study. <b>2022</b> , 17, e0272143   |   |
| 246 | Consequences of Grazing Cessation for Soil Environment and Vegetation in a Subalpine Grassland Ecosystem. <b>2022</b> , 11, 2121   | 0 |
| 245 | Soil carbon accrual under harvest residue retention modulated by the copiotroph-oligotroph spectrum in bacterial community. <b>2022</b> , 22, 2459-2474  | O |
| 244 | Land-use-driven change in soil labile carbon affects microbial community composition and function. <b>2022</b> , 116056  | 0 |
| 243 | Analysis of microbial diversity and community structure of rhizosphere soil of Cistanche salsa from different host plants. 13,   | O |
| 242 | Precipitation and land use alter soil respiration in an Inner Mongolian grassland.   | O |
| 241 | Leveraging functional traits of cover crops to coordinate crop productivity and soil health.   | O |
| 240 | Microbial carbon use efficiency of litter with distinct C/N ratios in soil at different temperatures, including microbial necromass as growth component.   | O |
| 239 | Microbial Carbon Use Efficiency in Coastal Soils Along a Salinity Gradient Revealed by Ecoenzymatic Stoichiometry. <b>2022</b> , 127,  | O |
| 238 | Snowbed communities and soil C and N dynamics during a four-year investigation in the NW-Italian Alps. <b>2022</b> , 54, 368-385   |   |
| 237 | Nutrient-limited subarctic caves harbour more diverse and complex bacterial communities than their surface soil. <b>2022</b> , 17,   | 1 |

| 236 | The effect of forest floor on soil microbial and enzyme indices after forest harvesting operations in Hyrcanian deciduous forests.   | 1 |
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| 235 | Partial organic substitution weakens the negative effect of chemical fertilizer on soil micro-food webs. <b>2022</b> ,   | O |
| 234 | Interactive effects of citric acid and mineral fertilization on soil microbial carbon use efficiency in the rhizosphere of two coniferous species. <b>2022</b> , 112, 103428                       |   |
| 233 | Semi-continuous C supply reveals that priming due to N-mining is driven by microbial growth demands in temperate forest plantations. <b>2022</b> , 173, 108802                                     | O |
| 232 | Linking soil phosphorus pools to drainage water quality in intensively cropped organic soils. <b>2022</b> , 272, 107860  |   |
| 231 | Spatial responses of soil carbon stocks, total nitrogen, and microbial indices to post-wildfire in the Mediterranean red pine forest. <b>2022</b> , 320, 115939                                    | O |
| 230 | Arbuscular mycorrhizal fungi community in soils under desertification and restoration in the Brazilian semiarid. <b>2022</b> , 264, 127161   | О |
| 229 | Enzymatic stoichiometry reveals phosphorus limitation-induced changes in the soil bacterial communities and element cycling: Evidence from a long-term field experiment. <b>2022</b> , 426, 116124 | 1 |
| 228 | Extreme wet precipitation and mowing stimulate soil respiration in the Eurasian meadow steppe. <b>2022</b> , 851, 158130   | О |
| 227 | Effects of Nitrogen Addition on Soil Microbial Functional Diversity and Extracellular Enzyme Activities in Greenhouse Cucumber Cultivation. <b>2022</b> , 12, 1366                                 | O |
| 226 | The amelioration of degraded larch (Larix olgensis) soil depends on the proportion of Aralia elata litter in larch-A. elata agroforestry systems.  | О |
| 225 | The divergent vertical pattern and assembly of soil bacterial and fungal communities in response to short-term warming in an alpine peatland. 13,  | O |
| 224 | Microbial carbon use efficiency along an altitudinal gradient. <b>2022</b> , 173, 108799   | Ο |
| 223 | Soil properties and fine root morphological traits in relation to soil particle-size fractions in a broad-leaved beech (Fagus orientalis Lipsky) forest. <b>2022</b> , 117, 103852                 | O |
| 222 | Zeolite mitigates N2O emissions in paddy fields under alternate wetting and drying irrigation. <b>2022</b> , 339, 108145   | 0 |
| 221 | Invasive Spartina alterniflora accelerates soil gross nitrogen transformations to optimize its nitrogen acquisition in an estuarine and coastal wetland of China. <b>2022</b> , 174, 108835        | O |
| 220 | Alder expansion increases soil microbial necromass carbon in a permafrost peatland of Northeast China. <b>2022</b> , 144, 109488   | O |
| 219 | Available nitrogen and ammonia-oxidizing archaea in soil regulated N2O emissions regardless of rice planting under a double rice cropping-fallow system. <b>2022</b> , 340, 108166                 | O |

| 218 | Decoupled cycling of carbon, nitrogen, and phosphorus in a grassland soil along a hillslope mediated by clay and soil moisture. <b>2022</b> , 219, 106648   | О |
|-----|---|---|
| 217 | Microplastics addition reduced the toxicity and uptake of cadmium to Brassica chinensis L <b>2022</b> , 852, 158353   | 1 |
| 216 | Impact of biochar-compost derived from thermal pyrolysis of poultry litter and woodchips on N mineralization and maize growth in contrasting tropical dryland soils. <b>2022</b> , 20, 101225           | O |
| 215 | Optimization of irrigation and N fertilization management profoundly increases soil N retention potential in a greenhouse tomato production agroecosystem of Northeast China. <b>2022</b> , 340, 108185 | O |
| 214 | Effects of Fertilization on Soil CO2 Efflux in Chinese Hickory (Carya cathayensis) Stand. 2023, 92, 271-283   | O |
| 213 | Long-term nitrogen and phosphorus fertilization reveals that phosphorus limitation shapes the microbial community composition and functions in tropical montane forest soil. <b>2023</b> , 854, 158709  | O |
| 212 | Soil aggregation is more important than mulching and nitrogen application in regulating soil organic carbon and total nitrogen in a semiarid calcareous soil. <b>2023</b> , 854, 158790                 | 1 |
| 211 | Rapid Microbial Uptake and Mineralization of 14C-Labelled Cysteine and Methionine Along a Grassland Productivity Gradient.  | O |
| 210 | Slope Position Mediates the Co-Utilization of Phosphorus by Plants and Microbes Through Rhizosphere Processes in a Phosphorus-Limited Forest.   | O |
| 209 | Impacts of long-term rice-based organic farming on fractions and forms of soil organic carbon and nitrogen in the Indo-Gangetic Plain. <b>2022</b> ,  | O |
| 208 | Unravelling the role of soil microflora from micro and macro aggregates in plant growth during primary and secondary successions. <b>2023</b> , 220, 106655   | O |
| 207 | Nitrogen Fertilization Increases Soil Microbial Biomass and Alters Microbial Composition Especially Under Low Soil Water Availability.  | O |
| 206 | Nitrification in Eutrophic Peat Soils under Different Land-Use Management Practices. <b>2022</b> , 55, 1095-1105  | O |
| 205 | Soil, climate, and variety impact on quantity and quality of maize root mucilage exudation.   | O |
| 204 | Mowing Increases Root-to-Shoot Ratio but Decreases Soil Organic Carbon Storage and Microbial Biomass C in a Semiarid Grassland of North China. <b>2022</b> , 12, 1324                                   | O |
| 203 | Long-term nitrogen addition increased soil microbial carbon use efficiency in subalpine forests on the eastern edge of the Qinghaiâllibet Plateau.  | O |
| 202 | Role of zinc-coated urea fertilizers in improving nitrogen use efficiency, soil nutritional status, and nutrient use efficiency of test crops. 10,  | 1 |
| 201 | Can multi-cropping affect soil microbial stoichiometry and functional diversity, decreasing potential soil-borne pathogens? A study on European organic vegetable cropping systems. 13,                 | 1 |

| 200 | Effect of Ginkgo biloba leaves on the removal efficiency of Cr(VI) in soil and its underlying mechanism. <b>2022</b> , 114431   | 1 |
|-----|---|---|
| 199 | Microbial diversity declines in warmed tropical soil and respiration rise exceed predictions as communities adapt. <b>2022</b> , 7, 1650-1660   | 1 |
| 198 | Silvopastoral use of Nothofagus antarctica forests in Patagonia: impact on soil microorganisms. <b>2022</b> , 96, 957-968   | 0 |
| 197 | Evidence for Assimilatory Nitrate Reduction as a Previously Overlooked Pathway of Reactive Nitrogen Transformation in Estuarine Suspended Particulate Matter.                               | 0 |
| 196 | Soil quality cannot be improved after thirty years of land use change from forest to rangeland. <b>2022</b> , 159132  | 0 |
| 195 | Restoration of degraded alpine grasslands alters plantâthicrobial competition for nitrogen. <b>2022</b> , 58, 803-814   | O |
| 194 | Impact of Culturable Endophytic Bacteria on Soil Aggregate Formation and Peanut (Arachis hypogaea L.) Growth and Yield Under Drought Conditions. <b>2022</b> , 79,                          | Ο |
| 193 | Wildfire exerts a long-term impact on soil multifunctionality by influencing soil environments and vegetation regeneration in a Chinese boreal forest.                                      | Ο |
| 192 | Achieving the dual goals of biomass production and soil rehabilitation with sown pasture on marginal cropland: Evidence from a multi-year field experiment in Northeast Inner Mongolia. 13, | 0 |
| 191 | Effect of temperature variation on phosphorus flux at the sedimentaWater interface of the steppe wetlands.  | Ο |
| 190 | Impacts of mowing and N addition on soil organic phosphorus mineralization rates in a semi-natural grassland in Northeast China.  | 0 |
| 189 | High nutrient loads amplify carbon cycling across California and New York coastal wetlands but with ambiguous effects on marsh integrity and sustainability. <b>2022</b> , 17, e0273260     | 0 |
| 188 | Recovery of soil microbial biomass, stoichiometry, and herb-layer diversity with chronosequence of farmland land abandonment in the central Himalayas, India.                               | 1 |
| 187 | Cow bone-derived biochar enhances microbial biomass and alters bacterial community composition and diversity in a smelter contaminated soil. <b>2022</b> , 114278                           | O |
| 186 | Post-Fire State of Taiga Soils and Vegetation of the Khamar-Daban Range (Cisbaikalia). <b>2022</b> , 55, 1196-1208  | 0 |
| 185 | Deforestation for agriculture increases microbial carbon use efficiency in subarctic soils.   | Ο |
| 184 | Effects of artificially-simulated acidification on potential soil nitrification activity and ammonia oxidizing microbial communities in greenhouse conditions. 10, e14088                   | 0 |
| 183 | Microbial community response to drought depends on crop. <b>2022</b> , 10,  | Ο |

| 182 | Sole and Combined Application of Phosphorus and Glucose and Its Influence on Greenhouse Gas Emissions and Microbial Biomass in Paddy Soils. <b>2022</b> , 12, 2368   | O |
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| 181 | View from the Top: Insights into the Diversity and Community Assembly of Ectomycorrhizal and Saprotrophic Fungi along an Altitudinal Gradient in Chinese Boreal Larix gmelinii-Dominated Forests. <b>2022</b> , 10, 1997 | O |
| 180 | Biodynamic compost effects on soil parameters in a 27-year long-term field experiment. 2022, 9,  | O |
| 179 | Soil functional indicators in mixed beech forests are clearly species-specific.  | 1 |
| 178 | Soil Enzyme Activities Affect SOC and TN in Aggregate Fractions in Sodic-Alkali Soils, Northeast of China. <b>2022</b> , 12, 2549  | 1 |
| 177 | The potential of regenerative agriculture to improve soil health on Gotland, Sweden.   | O |
| 176 | Effects of experimental and seasonal drying on soil microbial biomass and nutrient cycling in four lowland tropical forests. <b>2022</b> , 161, 227-250  | 1 |
| 175 | Biotic factors dominantly determine soil inorganic carbon stock across Tibetan alpine grasslands. <b>2022</b> , 8, 687-698   | O |
| 174 | Vermicomposting as a Sustainable Option for Managing Biomass of the Invasive Tree Acacia dealbata Link. <b>2022</b> , 14, 13828  | O |
| 173 | Manipulated precipitation regulated carbon and phosphorus limitations of microbial metabolisms in a temperate grassland on the Loess Plateau, China. <b>2022</b> , 14, 1109-1123   | O |
| 172 | Long-term continuous farmyard manure application increases soil carbon when combined with mineral fertilizers due to lower priming effects. <b>2022</b> , 116216   | O |
| 171 | Biochar decreases and nitrification inhibitor increases phosphorus limitation for microbial growth in a wheat-canola rotation. <b>2022</b> , 159773  | O |
| 170 | Comparison of grain sorghum and alfalfa for providing heavy metal remediation of sandy soil with different soil amendments and salt stress. 10,  | O |
| 169 | Does pyrolysis temperature determine soil phosphorus bioavailability and uptake on peri-urban cropland amended with poultry litter biochar?.   | O |
| 168 | System Fertilization Increases Soybean Yield Through Soil Quality Improvements in Integrated Crop-Livestock System in Tropical Soils.  | 1 |
| 167 | Positive priming effect explained by microbial nitrogen mining and stoichiometric decomposition at different stages. <b>2022</b> , 175, 108852   | 1 |
| 166 | Altered precipitation rather than warming and defoliation regulate short-term soil carbon and nitrogen fluxes in a northern temperate grassland. <b>2022</b> , 327, 109217   | 0 |
| 165 | Soil microbial community and their functional genes during grassland restoration. <b>2023</b> , 325, 116488  | O |

| 164 | Responses of soil carbon and nitrogen mineralization to nitrogen addition in a semiarid grassland: The role of season. <b>2023</b> , 220, 106719  | 0 |
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| 163 | Importance of soil labile organic carbon fractions in shaping microbial community after vegetation restoration. <b>2023</b> , 220, 106707   | Ο |
| 162 | Improvement of degraded agricultural soil in an arid zone following short- and long-term treated municipal wastewater application: A case study of Gabes perimeter, Tunisia. <b>2023</b> , 182, 104685        | 1 |
| 161 | Response of bacterial compositions to the use of slow-release fertilizers with long-acting agents and synergists. <b>2023</b> , 182, 104699   | Ο |
| 160 | Native soil labile organic matter influences soil priming effects. <b>2023</b> , 182, 104732  | О |
| 159 | Effect of grazing exclusion on emission of greenhouse gases and soil organic carbon turnover in alpine shrub meadow. <b>2023</b> , 858, 159758  | Ο |
| 158 | Wheat (Triticum aestivum L.) inoculation through characterization and identification of soil bacteria. 1-14   | 0 |
| 157 | Niche differentiation and higher uptake of available nitrogen maintained the productivity of alpine meadow at early degradation.  | Ο |
| 156 | Earthworm Lumbricus terrestris Contributes Nitrous Oxide Emission from Temperate Agricultural Soil Regardless of Applied Mineral Nitrogen Fertilizer Doses. <b>2022</b> , 12, 2745                            | 0 |
| 155 | Effect of nutrient and weed management on crop productivity and soil microbial properties in aerobic rice (Oryza sativa). <b>2022</b> , 92,   | Ο |
| 154 | The incorporation of straw into the subsoil increases C, N, and P enzyme activities and nutrient supply by enriching distinctive functional microorganisms.   | 0 |
| 153 | Heavy thinning temporally reduced soil carbon storage by intensifying soil microbial phosphorus limitation.   | O |
| 152 | Date of Planting, Spacing and Integrated Nutrient Management Practices Improves Soil Microbial Populations and Soil Fertility Status Under Rice -Arhar Cropping System in Acidic Soils of Eastern India. 1-18 | 0 |
| 151 | Long-Term Restorative Farming Effects on Soil Biological Properties for Carbon Stock, Soil Quality, and Yield in a Nigerian Northern Guinea Savanna Alfisols. <b>2023</b> , 403-422                           | Ο |
| 150 | Soil microbial properties influenced with long term application of manures and fertilizers. <b>2020</b> , 90, 172-182   | 0 |
| 149 | Seasonal dynamics of soil and microbial respiration in the banj oak and chir pine forest of the central Himalaya, India. <b>2022</b> , 104740   | Ο |
| 148 | Effects of Bacillus subtilis and Pseudomonas fluorescens as the soil amendment. 2022, e11674  | 0 |
| 147 | Distinct roles of bacteria and fungi in mediating soil extracellular enzymes under long-term nitrogen deposition in temperate plantations. <b>2023</b> , 529, 120658  | 1 |

| 146 | Plant community productivity is associated with multiple ecological stoichiometry in restoration grasslands. <b>2023</b> , 187, 106845   | О |
|-----|--|---|
| 145 | Phytomanagement of iron mine soil by Ricinus communis L. and garden soil. <b>2023</b> , 313, 137534  | O |
| 144 | The fate of N released from the fixed NH4+ pool in response to different straw application doses. <b>2023</b> , 430, 116312  | О |
| 143 | Metagenomic insights into the effects of organic and inorganic agricultural managements on soil phosphorus cycling. <b>2023</b> , 343, 108281  | O |
| 142 | Changes in diversity patterns and assembly processes of soil nematode communities during forest secondary succession on the Loess Plateau. <b>2023</b> , 529, 120734                                 | O |
| 141 | Long-term differences in fertilisation type change the bacteria:archaea:fungi ratios and reveal a heterogeneous response of the soil microbial ionome in a Haplic Luvisol. <b>2023</b> , 177, 108892 | O |
| 140 | Divergent linkages of soil phosphorus fractions to edaphic properties following afforestation in the riparian zone of the upper Yangtze river, China. <b>2023</b> , 313, 137452                      | Ο |
| 139 | Influence of vegetation types on soil physical and chemical properties, microbial biomass and stoichiometry in the central Himalaya. <b>2023</b> , 222, 106835                                       | 2 |
| 138 | Slope position mediates the co-utilization of phosphorus by plants and microbes through rhizosphere processes in a phosphorus-limited forest. <b>2023</b> , 222, 106808                              | Ο |
| 137 | Tree diversity increases soil C and N stocks of secondary forests in subtropical China. <b>2023</b> , 222, 106812  | Ο |
| 136 | Ladin Mellereleri 🗈 Topraklarñda Derinli BG e Cmic ve Nmic 'in Dellimi.  | 0 |
| 135 | Improvement in yield and fruit quality of mango (Mangifera indica) with organic amendments. <b>2019</b> , 89,  | O |
| 134 | Evaluation of heavy metals on soil microflora diversity in Robertkiri, Idama and Jokka in Niger Delta Area of Nigeria. <b>2022</b> , 14, 26-31   | O |
| 133 | Effects of Long-Term Chemical and Organic Fertilizer Application on Soil Phosphorus Fractions in Lei Bamboo Plantations. <b>2022</b> , 14, 15658   | O |
| 132 | Rhizosphere soil microbial communities under foxtail millet continuous and rotational cropping systems and their feedback effects on foxtail millet downy mildew suppression.                        | O |
| 131 | Response of soil C-, N-, and P- acquisition enzymes to moisture pulses in desert grassland to shrubland state transition. <b>2022</b> , 160569   | O |
| 130 | Understanding trade-offs and synergies among soil functions to support decision-making for sustainable cultivated land use. 10,  | О |
| 129 | Soil physical and biological quality in a peasant agroforestry in Southern Brazil.   | O |

| 128 | Effects of land uses and soil types on microbial activity and community structure. 2022, 36, 323-336  | O |
|-----|---|---|
| 127 | Microbial fertilizer regulates C:N:P stoichiometry and alleviates phosphorus limitation in flue-cured tobacco planting soil.  | O |
| 126 | Soil organic matter formation and loss are mediated by root exudates in a temperate forest. <b>2022</b> , 15, 1011-1016   | 1 |
| 125 | Soil function indicators are influenced by land use of different ages: A case study in a semi-arid region. <b>2022</b> , 160570   | О |
| 124 | Canada Goldenrod Invasion Regulates the Effects of Soil Moisture on Soil Respiration. <b>2022</b> , 19, 15446   | О |
| 123 | Vegetation type and fire severity mediate short-term post fire soil microbial responses.  | О |
| 122 | Effects of Understory Vegetation Heterogeneity on Soil Organic Carbon Components in Cunninghamia lanceolata Plantation. <b>2022</b> , 11, 2300  | 0 |
| 121 | Living grass mulching improves soil enzyme activities through enhanced available nutrients in citrus orchards in subtropical China. 13,   | О |
| 120 | Keeping thinning-derived deadwood logs on forest floor improves soil organic carbon, microbial biomass, and enzyme activity in a temperate spruce forest.   | 0 |
| 119 | Soil Fungal Diversity and Functionality Changes Associated with Multispecies Restoration of Pinus massoniana Plantation in Subtropical China. <b>2022</b> , 13, 2075  | O |
| 118 | Can Lunar and Martian Soils Support Food Plant Production? Effects of Horse/Swine Monogastric Manure Fertilisation on Regolith Simulants Enzymatic Activity, Nutrient Bioavailability, and Lettuce Growth. <b>2022</b> , 11, 3345 | O |
| 117 | Differential responses and mechanistic controls of soil phosphorus transformation in Eucalyptus plantations with N fertilization and introduced N 2 -fixing tree species.   | О |
| 116 | Resprouting ability differs among plant functional groups along a soil acidification gradient in a meadow: A rhizosphere perspective.   | 0 |
| 115 | Greenhouse gas fluxes in mangrove forest soil in an Amazon estuary. <b>2022</b> , 19, 5483-5497   | О |
| 114 | Application of biochar and compost improved soil properties and enhanced plant growth in a PbâIn mine tailings soil.  | 1 |
| 113 | Insights into the effect of cyanobacterial inoculations on the microbial dynamics of an arable soil under simulated rain.   | O |
| 112 | Decay processes in Salix psammophila sand barriers increase soil microbial element stoichiomery ratios. 10,   | О |
| 111 | Impact of transgenic birch with modified nitrogen metabolism on soil properties, microbial biomass and enzymes in 4-year study.   | O |

| 110                  | Eco-enzymatic stoichiometry and microbial non-homeostatic regulation depend on relative resource availability during litter decomposition. <b>2022</b> , 145, 109729  | O           |
|----------------------|---|-------------|
| 109                  | Highly sensitive net nitrogen mineralization to soil temperature and moisture during a boreal secondary forest succession.  | o           |
| 108                  | Depth-Related Changes in Soil P-Acquiring Enzyme Activities and Microbial BiomassâThe Effect of Agricultural Land Use/Plant Cover and Pedogenic Processes. <b>2022</b> , 12, 2079   | 0           |
| 107                  | Climate and geology overwrite land use effects on soil organic nitrogen cycling on a continental scale. <b>2022</b> , 19, 5419-5433   | o           |
| 106                  | Screening of phosphate-solubilizing bacteria and their abilities of phosphorus solubilization and wheat growth promotion. <b>2022</b> , 22,   | 1           |
| 105                  | Soil diazotrophic abundance, diversity, and community assembly mechanisms significantly differ between glacier riparian wetlands and their adjacent alpine meadows. 13,   | О           |
| 104                  | Plant functional types drive spatial and temporal variation in soil microbial community composition and extracellular enzyme activities in a tundra heath.  | 0           |
| 103                  | Gross and Net Nitrogen Mineralization and Their Relationships with Microbial Biomass in a Volcanic Ash Soil and Alluvial Soil after Application of Crop Residues. 1-9   | О           |
| 102                  | Root Production and Microbe-Derived Carbon Inputs Jointly Drive Rapid Soil Carbon Accumulation at the Early Stages of Forest Succession. <b>2022</b> , 13, 2130   | 0           |
| 101                  | One thousand soils for molecular understanding of belowground carbon cycling.   | О           |
|                      |   |             |
| 100                  | Effect of planting and mowing cover crops as livestock feed on soil quality and pear production. 13,  | O           |
| 100                  | Effect of planting and mowing cover crops as livestock feed on soil quality and pear production. 13,  Refining the role of nitrogen mineralization in mycorrhizal nutrient syndromes.   | 0           |
|                      |   |             |
| 99                   | Refining the role of nitrogen mineralization in mycorrhizal nutrient syndromes.  New Insights from Soil Microorganisms for Sustainable Double Rice-Cropping System with 37-Year   | O           |
| 99<br>98             | Refining the role of nitrogen mineralization in mycorrhizal nutrient syndromes.  New Insights from Soil Microorganisms for Sustainable Double Rice-Cropping System with 37-Year Manure Fertilization. 2023, 13, 261  C:N:P stoichiometry in plant, soil and microbe in Sophora moorcroftiana shrubs across three sandy  | 0           |
| 99<br>98<br>97       | Refining the role of nitrogen mineralization in mycorrhizal nutrient syndromes.  New Insights from Soil Microorganisms for Sustainable Double Rice-Cropping System with 37-Year Manure Fertilization. 2023, 13, 261  C:N:P stoichiometry in plant, soil and microbe in Sophora moorcroftiana shrubs across three sandy dune types in the middle reaches of the Yarlung Zangbo River. 13,  A seven-year study on the effects of four tillage modes on soil physicochemical properties,   | 0 1 0       |
| 99<br>98<br>97<br>96 | Refining the role of nitrogen mineralization in mycorrhizal nutrient syndromes.  New Insights from Soil Microorganisms for Sustainable Double Rice-Cropping System with 37-Year Manure Fertilization. 2023, 13, 261  C:N:P stoichiometry in plant, soil and microbe in Sophora moorcroftiana shrubs across three sandy dune types in the middle reaches of the Yarlung Zangbo River. 13,  A seven-year study on the effects of four tillage modes on soil physicochemical properties, microbial biomass, enzymatic activities, and grain yield in a riceâlatoon rice cropping system. | 0<br>1<br>0 |

| 92 | The effects of plant density and nitrogen fertilization on maize yield and soil microbial communities in the black soil region of Northeast China. <b>2023</b> , 430, 116325       | О |
|----|--|---|
| 91 | Effects of pyrogenic carbon addition after fire on soil carbon mineralization in the Great Khingan Mountains peatlands (Northeast China). <b>2023</b> , 864, 161102                | Ο |
| 90 | Under-vine cover crops: Impact on physical and biological soil proprieties in an irrigated Mediterranean vineyard. <b>2023</b> , 311, 111797                                       | О |
| 89 | Natural degradation process of Salix psammophila sand barriers regulates desert soil microbial biomass C:N:P stoichiometry and homeostasis. <b>2023</b> , 222, 106880              | Ο |
| 88 | Changes in soil CO2 and N2O emissions in response to urea and biochar-based urea in a subtropical Moso bamboo forest. <b>2023</b> , 228, 105625                                    | О |
| 87 | Depth-dependent drivers of soil aggregate carbon across Tibetan alpine grasslands. <b>2023</b> , 867, 161428   | Ο |
| 86 | Increased Soil Aggregate Stability by Altering Contents and Chemical Composition of Organic Carbon Fractions via Seven Years of Manure Addition in Mollisols. <b>2023</b> , 13, 88 | О |
| 85 | Functional Diversity of Soil Microorganisms and Influencing Factors in Three Typical Water-Conservation Forests in Danjiangkou Reservoir Area. <b>2023</b> , 14, 67                | О |
| 84 | Plant above-ground biomass and litter quality drive soil microbial metabolic limitations during vegetation restoration of subtropical forests. <b>2023</b> , 5,                    | О |
| 83 | Extracellular Enzyme Activity and Stoichiometry Reveal Nutrient Dynamics during Microbially-Mediated Plant Residue Transformation. <b>2023</b> , 14, 34                            | О |
| 82 | Trade-off between microbial carbon use efficiency and specific nutrient-acquiring extracellular enzyme activities under reduced oxygen. <b>2023</b> , 5,                           | О |
| 81 | Different Response of Soil Microbial Carbon Use Efficiency in Compound of Feldspathic Sandstone and Sand. <b>2023</b> , 13, 58   | О |
| 80 | Effect of elevated temperature on soil microbial activity and nitrogen transformations in wheat crop (Triticum aestivum). <b>2017</b> , 87,  | О |
| 79 | Short-term reduction in cropping intensity improves soil quality at topsoil rather than subsoil.   | О |
| 78 | Exogenous Organic C Inputs Profit Soil C Sequestration Under Different Long-Term N Addition Levels in a Boreal Forest.   | О |
| 77 | Rationalizing mineral gypsum through microbially enriched municipal solid waste compost for amelioration and regaining productivity potential of degraded sodic soils.             | О |
| 76 | Multifunctionality of temperate alley-cropping agroforestry outperforms open cropland and grassland. <b>2023</b> , 4,  | О |
| 75 | Differential responses of soil nutrients to edaphic properties and microbial attributes following reclamation of abandoned salinized farmland. <b>2023</b> , 347, 108373           | O |

| 74 | Tracing nitrogen transformations during spring development of winter wheat induced by 15N labeled cattle slurry applied with different techniques. <b>2023</b> , 871, 162061                         | 0 |
|----|--|---|
| 73 | The phosphorus limitation in the post-fire forest soils increases soil CO2 emission via declining cellular carbon use efficiency and increasing extracellular phosphatase. <b>2023</b> , 224, 106968 | o |
| 72 | Dynamics of SOC density and driving factors during the restoration of artificial grassland and abandoned farmland in Mu Us Desert, China. <b>2023</b> , 224, 106991                                  | 0 |
| 71 | Classification of Agricultural Land Consolidation Types Based on Soil Security to Improve Limiting Factors Adapted to Local Soil Conditions.   | o |
| 70 | Differences in soil microbial communities with successional stage depend on vegetation coverage and soil substrates in alpine desert shrublands.   | 0 |
| 69 | Effects of biochar on heavy metal speciation and microbial activity in red soil at a mining area.  | o |
| 68 | An agronomic study of legacy effects from annual legume pastures in acid soils.  | 0 |
| 67 | Plant sexual variation modulates rhizospheric nutrient processes through the soil microbiome response to drought and rewetting in Populus cathayana.   | О |
| 66 | One thousand soils for molecular understanding of belowground carbon cycling. 3,   | 0 |
| 65 | C:N:P stoichiometry of plant-soil-microbe in the secondary succession of zokor-made mounds on Qinghai-Tibet Plateau. <b>2023</b> , 222, 115333   | o |
| 64 | Arbuscular mycorrhizal fungi decrease soil ammonium availability and nitrous oxide emissions under nitrogen input. <b>2023</b> , 333, 109385   | 0 |
| 63 | Microplastics in agricultural soil: Polystyrene fragments inhibit soil microbial and enzymatic activities but promote nutrient concentration of Cowpea (Vigna unguiculata). <b>2023</b> , 10, 100263 | o |
| 62 | Wollastonite addition stimulates soil organic carbon mineralization: Evidences from 12 land-use types in subtropical China. <b>2023</b> , 225, 107031  | O |
| 61 | Environmental stress stimulates microbial activities as indicated by cyclopropane fatty acid enhancement. <b>2023</b> , 873, 162338  | o |
| 60 | Assessing the potential of co-composting rose waste as a sustainable waste management strategy: Nutrient availability and disease control. <b>2023</b> , 399, 136685                                 | O |
| 59 | Linking fungal community structure with soil nitrogen dynamics following forest conversion in a subalpine forest in China. <b>2023</b> , 433, 116448   | O |
| 58 | Soil extracellular enzyme stoichiometry reflects microbial metabolic limitations in different desert types of northwestern China. <b>2023</b> , 874, 162504  | 0 |
| 57 | Earthworms and long-term straw management practices interactively affect soil carbon and nitrogen forms across soil depths. <b>2023</b> , 116, 103478  | O |

| 56 | Females face more positive plant-soil feedback and intersexual competition under adequate nitrogen conditions compared to males in Populus cathayana. <b>2023</b> , 874, 162479                                | 0 |
|----|--|---|
| 55 | Long-term nitrogen fertilization-induced enhancements of acid hydrolyzable nitrogen are mainly regulated by the most vital microbial taxa of keystone species and enzyme activities. <b>2023</b> , 874, 162463 | O |
| 54 | Interannual variation in precipitation predominantly controls mineral-associated organic carbon dynamics in a Tibetan alpine meadow. <b>2023</b> , 433, 116432   | 0 |
| 53 | Long-term maize and pea intercropping improved subsoil carbon storage while reduced greenhouse gas emissions. <b>2023</b> , 349, 108444  | O |
| 52 | Long-term manuring enhances soil gross nitrogen mineralization and ammonium immobilization in subtropical area. <b>2023</b> , 348, 108439  | 1 |
| 51 | Changes in plant phosphorus demand and supply relationships in response to different grazing intensities affect the soil organic carbon stock of a temperate steppe. <b>2023</b> , 876, 163225                 | O |
| 50 | Depth-dependent effects of tree species identity on soil microbial community characteristics and multifunctionality. <b>2023</b> , 878, 162972   | 0 |
| 49 | Effects of long-term warming on soil prokaryotic communities in shrub and alpine meadows on the eastern edge of the Qinghai-Tibetan Plateau. <b>2023</b> , 188, 104871   | 0 |
| 48 | Soil nutrients and the responses of microbial community structure to pine bark and vinegar residues in blueberry cultivation. <b>2023</b> , 189, 104907  | 0 |
| 47 | Long-term phosphorus addition alleviates CO2 and N2O emissions via altering soil microbial functions in secondary rather primary tropical forests. <b>2023</b> , 323, 121295                                   | O |
| 46 | Plant Traits Variably Respond to PlantâBoil Interactions during Secondary Succession on the Loess Plateau. <b>2023</b> , 14, 726   | 0 |
| 45 | Microbial nutrient limitations limit carbon sequestration but promote nitrogen and phosphorus cycling: A case study in an agroecosystem with long-term straw return. <b>2023</b> , 870, 161865                 | 0 |
| 44 | Soil types differ in the temporal response of the priming effect to nitrogen addition: a study on microbial mechanisms. <b>2023</b> , 59, 233-247  | O |
| 43 | Short- and long-term responses of nematode communities to predicted rainfall reduction in Mediterranean forests. <b>2023</b> , 179, 108974   | O |
| 42 | Biochar and Polyhalite Fertilizers Improve Soilâ\ Biochemical Characteristics and Sunflower (Helianthus annuus L.) Yield. <b>2023</b> , 13, 483  | 0 |
| 41 | Variations in Soil Nitrogen Availability and Crop Yields under a Three-Year Annual Wheat and Maize<br>Rotation in a Fluvo-Aquic Soil. <b>2023</b> , 12, 808  | O |
| 40 | Microbial biomass activity of a sodic Lixisol reclaimed with gypsum and clean water irrigation in urban vegetable systems of Burkina Faso. <b>2023</b> , 186, 188-195  | 0 |
| 39 | Carbon Emission and Biodiversity of Arctic Soil Microbial Communities of the Novaya Zemlya and Franz Josef Land Archipelagos. <b>2023</b> , 11, 482  | O |

| 38 | Divergent responses of soil microbial metabolic limitations to cropland revegetation at erosion and deposition topographies in the hilly-gully region of the northern Loess Plateau, China.            | 0 |
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| 37 | Carbon and nitrogen allocation in leaf, fine root, soil, and microbial biomass in invasive Prosopis juliflora and native Acacia nilotica in semi-arid forests of the Aravalli hills. 1-19              | O |
| 36 | Soil physical and biological quality in a peasant agroforestry system in Southern Brazil.  | 0 |
| 35 | Long-term effect of FYM and inorganic fertilizers on soil quality and sustainable productivity of soybean (Glycine max) and safflower (Carthamus tinctorius) in Vertisol. <b>2018</b> , 88, 845-850    | O |
| 34 | Chloroform-labile trace elements in soil via fumigation-extraction: Steps towards the soil microbial ionome beyond C:N:P. <b>2023</b> , 74,  | 0 |
| 33 | Vertical changes in P-acquiring enzyme activities and microbial biomass in Luvisols âlThe effect of different types of agricultural land use and soil-forming processes. <b>2023</b> , 432, 116406     | O |
| 32 | Astragalus-cultivated soil was a suitable bed soil for nurturing Angelica sinensis seedlings from the rhizosphere microbiome perspective. <b>2023</b> , 13,  | 0 |
| 31 | Direct and indirect effects of dominant plants on ecosystem multifunctionality. 14,  | O |
| 30 | Mechanical weeding enhances ecosystem multifunctionality and profit in industrial oil palm.  | 0 |
| 29 | Nitrogen fertilization rates mediate rhizosphere soil carbon emissions of continuous peanut monoculture by altering cellulose-specific microbess. 14,  | O |
| 28 | Effects of Pruning on Vegetation Growth and Soil Properties in Poplar Plantations. 2023, 14, 501   | O |
| 27 | Assessing the Fate of Superparamagnetic Iron Oxide Nanoparticles Carrying Usnic Acid as Chemical Cargo on the Soil Microbial Community.  | O |
| 26 | Reducing options of ammonia volatilization and improving nitrogen use efficiency via organic and inorganic amendments in wheat (Triticum aestivum L.). 11, e14965                                      | 0 |
| 25 | Distribution of microplastics in soil aggregates after film mulching. <b>2023</b> , 5,   | O |
| 24 | Functional variability in specific root respiration translates to autotrophic differences in soil respiration in a temperate deciduous forest. <b>2023</b> , 432, 116414                               | 0 |
| 23 | Nanobiochar and Copper Oxide Nanoparticles Mixture Synergistically Increases Soil Nutrient Availability and Improves Wheat Production. <b>2023</b> , 12, 1312  | O |
| 22 | Effect of Different Vegetation Restoration on Recovery of Compaction-Induced Soil Degradation in Hyrcanian Mixed Forests: Influence on Soil C and N Pools and Enzyme Activities. <b>2023</b> , 14, 603 | О |
| 21 | Soil C, N, P, K and Enzymes Stoichiometry of an Endangered Tree Species, Parashorea chinensis of Different Stand Ages Unveiled Soil Nutrient Limitation Factors. <b>2023</b> , 14, 624                 | O |

| 20 | Soil fertility, microbial dynamics and mustard yield potential mediated by addition of organic amendments under sodic irrigation water. 1-17                                     | O |
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| 19 | Land-use induced soil carbon stabilization at the expense of rock derived nutrients: insights from pristine Andean soils. <b>2023</b> , 13,                                      | O |
| 18 | Distribution Characteristics and Influencing Factors of Soil Biological Indicators in Typical Farmland Soils. <b>2023</b> , 12, 755  | O |
| 17 | Close coupling of plant functional types with soil microbial community composition drives soil carbon and nutrient cycling in tundra heath.                                      | O |
| 16 | Rhizosphere Effect and Bacterial Community Structure in the Horizons of Podzolic Soil under Norway Spruce (Picea abies L.). <b>2023</b> , 56, 29-37                              | O |
| 15 | Soil Biophilic Elements (HN, P) and Microbial Activity in Forest Parks of Moscow and Suburban Forests. <b>2023</b> , 56, 87-100  | O |
| 14 | Impact of Biomass Recycling and Fertilization on Soil Microbiological Characteristics and Wheat Productivity in Semi-Arid Environment. <b>2023</b> , 13, 1054                    | O |
| 13 | Competition for two sulphur containing amino acids (cysteine and methionine) by soil microbes and maize roots in the rhizosphere.  | O |
| 12 | Livestock manure-derived hydrochar is more inclined to mitigate soil Global Warming Potential than raw materials based on soil stoichiometry analysis. <b>2023</b> , 59, 459-472 | 0 |
| 11 | How does livestock graze management affect woodland soil health?. 6,   | O |
| 10 | Consistent microbial and nutrient resource island patterns during monsoon rain in a Chihuahuan Desert bajada shrubland. <b>2023</b> , 14,  | 0 |
| 9  | Different contributing processes in bacterial vs. fungal necromass affect soil carbon fractions during the plant residues transformation.  | O |
| 8  | Adaptation mechanisms of the soil microbial community under stoichiometric imbalances and nutrient-limiting conditions in a subtropical nitrogen-saturated forest.               | 0 |
| 7  | Afforestation inhibited soil microbial activities along the riparian zone of the upper Yangtze River of China. <b>2023</b> , 538, 120998   | O |
| 6  | Soil functional indicators in different development stages of an oak (Quercus castaneifolia C.A. Mey.) stand. <b>2023</b> , 189, 104922  | O |
| 5  | Effects of Enterobacter sp. Zm-123 and spent mushroom substrate on rape growth promotion and cadmium toxicity reduction in cadmium-contaminated soil.                            | O |
| 4  | Effects of a tree row on greenhouse gas fluxes, growing conditions and soil microbial communities on an oat field in Southern Finland. <b>2023</b> , 352, 108525                 | 0 |
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